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MICHELL'S BULBS

AUTUMN 1919

30TH
YEAR

HYACINTH
Grand Maitre
(1st Size)

NARCISSUS
Bi-Color
Victoria

DARWIN
TULIP
Clara Butt

CROCUS
Michell's Giant
Fl'g. Mixture

MICHELL'S COVER SUBJECTS

	Doz.	100	1000
Darwin Tulip—Clara Butt <small>See also page 5</small>	.60	\$3.50	\$30.00
Narcissus—Bi-Color Victoria (Mammoth) <small>See also page 8</small>	\$1.25	\$6.75	\$62.50
Hyacinth—Grand Maitre (1st size) <small>See also page 2</small>	\$1.75	\$12.00	\$100.00
Crocus—Michell's Giant Fl'g. Mixture <small>See also page 12</small>	.30	\$1.75	\$15.00

HENRY F. MICHELL CO.
518 MARKET STREET, PHILADELPHIA

BUSINESS TERMS

We Especially Invite Charge Accounts. A charge account is more convenient than to remit for each order at the time it is sent us, you pay no more for your goods by reason of this accommodation. As to our responsibility, we refer you to Dun's or Bradstreet's Mercantile Agency or any bank or trust company.

When sending your first charge order, if possible, send us the name and address of someone with whom you already have a charge account. This saves time.

REGARDS C. O. D. SHIPMENTS

Goods can be sent C. O. D. (with the exception of perishable items, which include plants and cold-storage bulbs; these cannot be sent C. O. D.). No C. O. D. shipments for any kind of goods can be made by express or freight out of town unless a partial remittance accompanies the order. No C. O. D. orders delivered where the amount is less than 50c., except in the following zone in Philadelphia: Market Street Ferry, to Sixteenth Street, Pine Street, to Vine Street. C. O. D. orders outside of this zone in our delivery limits must amount to \$1.00 or more. During April no orders C. O. D. in their entirety can be accepted.

SHIPPING INSTRUCTIONS

Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment.

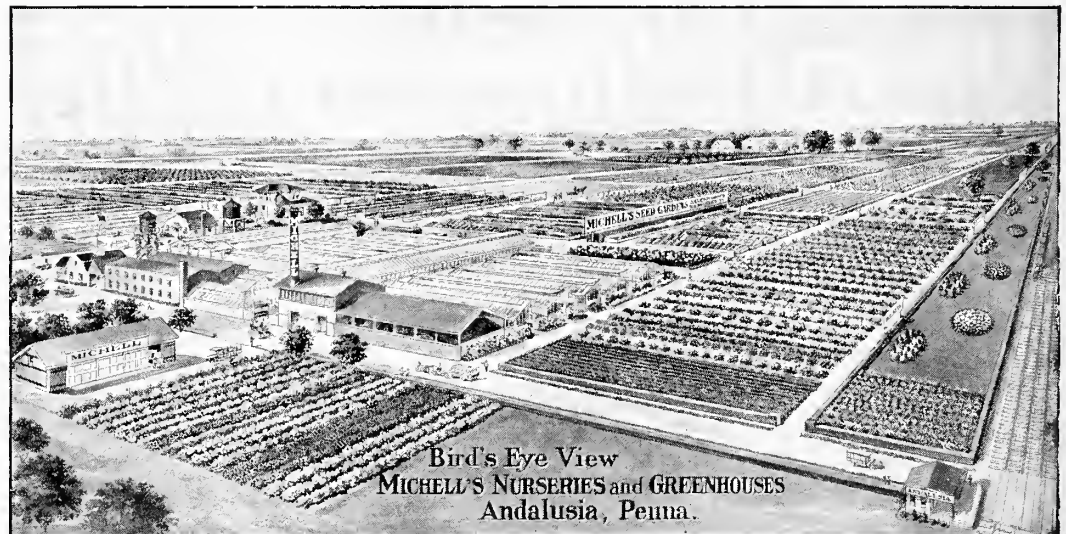
PACKING CHARGES

No charge is made for boxes, packing or bags, except for two-bushel seamless sacks, which are returnable for credit at the market price as charged.

PARCEL POST SHIPMENT AT OUR EXPENSE AS FOLLOWS

We pay postage charges on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (beans, corn, peas and mixed grass seeds, bulbs, plants and sundries are not included). If these are wanted by mail, remit for postage according to rate of postage from Philadelphia to your post office.

Parcels Post weight limits are 70 lbs. in 1st, 2d and 3d zone; in all other zones 50 lbs.



HENRY F. MICHELL CO.

HENRY F. MICHELL, PRES. FRED K. J. MICHELL, VICE PRES.
SALESROOMS, OFFICES } 518 MARKET STREET, PHILADELPHIA
ORDER DEPARTMENTS }
Warehouses } 509-511-513 Ludlow Street, Philadelphia, Pa.
19-21-23 S. Bank Street
Garage 2114-16 Locust Street
Nurseries and Greenhouses, Andalusia, Pa.
Please address all communications and orders to
518 MARKET STREET, PHILA.

TELEPHONE SERVICE

BELL, LOMBARD 4220, 4221, 4222, 4223, 4224, 4225,
KEYSTONE MAIN 3600, 3601,

IMPORTANT NOTICE—PLEASE READ

Henry F. Michell Company give no warranty, expressed or implied, as to the description, purity, productiveness of any seeds, plants and bulbs they send out, and they can not be in any way responsible for the crop. If the customer does not accept the goods on these terms, they can be returned at once.

Prices are subject to any advances over present prevailing freight rates, customs duties or war tax, and all deliveries are subject to delay, restrictions, embargoes, crop shortages and all conditions beyond our control. All quotations are made and all orders are booked subject to the above conditions.

Merchandise to be credited must be returned within 5 days in good order free of expense to us.



CATALOG For MICHELL'S SEEDS, BULBS, PLANTS, Etc.

ORDER NO.

Date 191 HENRY F. MICHELL CO., 518 Market St., PHILADELPHIA

Please DO NOT Write HERE

APPROVAL STAMP

Ship to
Fill in Your Name here

Please DO NOT Write in Space Below

Care of

P. O., Street, or
R. F. D. Address

Freight or
Express Address

County State

Charge to Charge Address

MG. JG. DIR. WIL. TER.

PRICED BY

SEND BY ☒ MARK X
Over the Ward designating method
by which shipment is desired

VEG. SEEDS FLO. SEEDS FREIGHT EXPRESS BOAT PARCEL POST BAGGAGE MASTER LOCAL EXPRESS

DELIVER

ORDER
FILLED BY
DATE
FILLED
DOUBLE
CHECKED BY

Poult. Sup.

Grass Seed

Fertil.

Shipped Via and Date

IF OUT OF VARIETY ORDERED HAVE WE YOUR PERMISSION TO
SUBSTITUTE EQUAL OR BETTER IN NEAREST WE CAN SUPPLY?

Answer

Check
Column

Quantity

ARTICLES WANTED

PRICE

UNIT
or per

TOTAL

DOLLARS CENTS

ORDER NO.

HENRY E. MICHELL CO. 518 Market St. PHILADELPHIA

Ship to
Fill in Your Name here

PLEASE DO NOT WRITE HERE

APPROVAL TABLE

Plaza del NOT. No. 15, Lima, Peru

Care of _____
P. O., Street, or
R. F. D. Address _____

**Freight or
Express Address**

County _____ State _____

Charge to _____ Charge Address _____

MG. JG. DIR. WH. TER.

PRIESTLEY

SEND BY **AIR MAIL**

EFFICIENT

Synopsis

DEBATE

PARCELI

BAGGAGE

LOCAL

DELIVER

ORDER
FILLED BYDATE
FILED

**DOUBLE
CHECKED BY**

Shimada, Vito, and D.

IF OUT OF VARIETY ORDERED HAVE WEIGHT PERMITTED TO
 BE REPLACED BY EQUAL OR BETTER IN NEXT SIZE OR COLOR ONLY

QTR	QTR. PERIOD	AMOUNT FORWARDED
1983	1st 4 months	col. 1000

[illegible]

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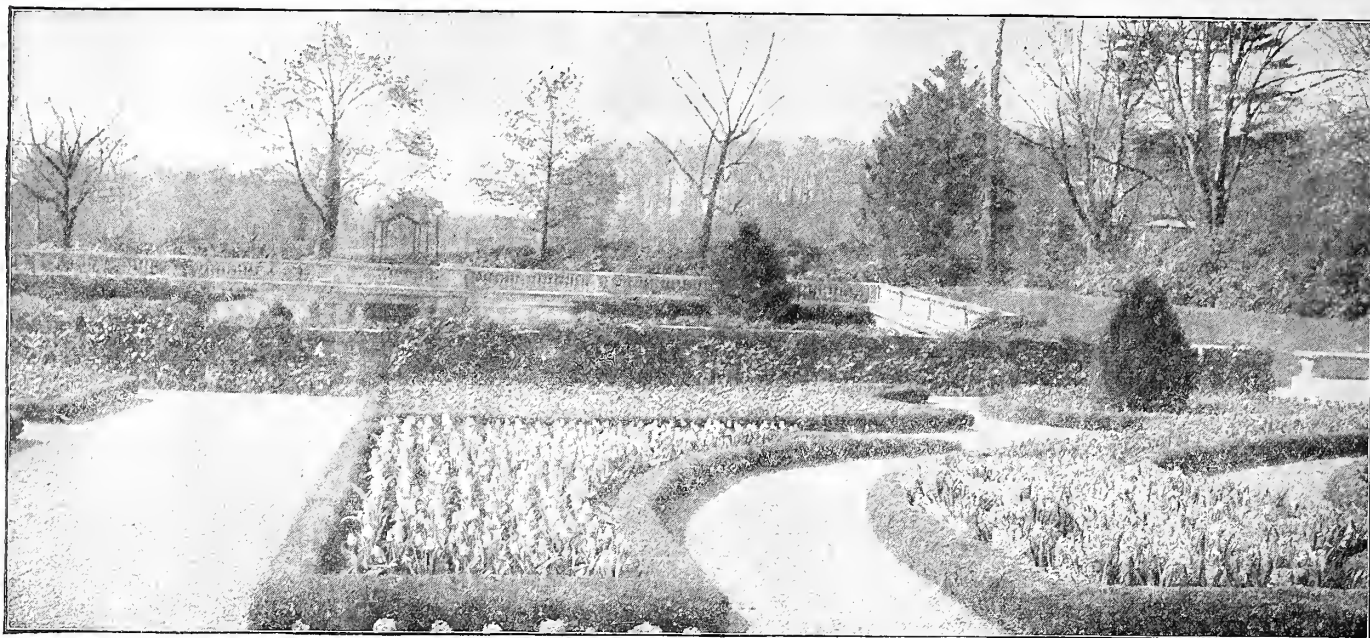
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MICHELL'S SUPERB NAMED HYACINTHS



A Spring flower-effect in the Italian gardens of the late Mr. P. A. B. Widener, "Lynnewood Hall," Ogontz, Pa., planted with Michell's Bulbs

CULTURAL DIRECTIONS ON HYACINTHS—For **Outdoors** plant October and November in soil composed of 1-3 sand, 1-3 cow or sheep manure, and 1-3 good garden soil. After the ground has frozen, cover with litter, leaves or coarse manure.

For **Pots** use same soil as directed above and plant any time from September to November. After planting, water well and then bury the pots outdoors to the depth of 6 inches for eight weeks. After this remove to a cool room.

For **Glasses** the single varieties are the best. Place the bulb in a glass, which should be filled with water, so it touches the bottom of the bulb and place the glasses in a cool, dark place. Change the water occasionally. Keep in the dark about 8 weeks, and then remove to a light, cool place.

To assist customers in selecting varieties, that will bloom at the same time, we have affixed the letters E, M and L, signifying E for early sorts, M for midseason, L for late sorts.

SINGLE FIRST SIZE HYACINTHS

	Each	Doz.	100
M—Amy. Bright carmine	\$0.20	\$1.75	\$12.00
E—British Queen. Pure white .....	.20	1.75	12.00
L—Cardinal Wiseman. Rosy Pink .....	.20	1.75	12.00
M—Chas. Dickens Blue. Porcelain blue ....	.20	1.75	12.00
M—Czar Peter. Porcelain .....	.20	1.75	12.00
M—Gertrude. Bright pink .....	.20	1.75	12.00
M—Gigantea. Flesh pink .....	.20	1.75	12.00
M—Grand Maitre. Bright porcelain .....	.20	1.75	12.00
L—King of Blues. Deep blue .....	.20	1.75	12.00
L—King of Yellow. Orange yellow .....	.20	1.75	12.00
M—Lady Derby. Delicate pink .....	.20	1.75	12.00
M—La Grandesse. Snow white .....	.20	1.75	12.00
M—L'Innocence. Pure white .....	.20	1.75	12.00
M—Lord Derby. Porcelain blue .....	.20	1.75	12.00
M—Madame van der Hoop. Pure white....	.20	1.75	12.00
M—Moreno. Light rose .....	.20	1.75	12.00
L—Queen of the Blues. Silvery blue .....	.20	1.75	12.00
E—Queen of Pinks. Brilliant pink .....	.25	2.25	14.00
L—Roi des Belges. Bright red .....	.20	1.75	12.00

DOUBLE FIRST SIZE DUTCH HYACINTHS

	Each	Doz.	100
E—Blocksberg. Light blue	\$0.20	\$1.75	\$12.00
M—Bouquet Orange. Dark carmine .....	.20	1.75	12.00
E—Delicata. Pale blue .....	.20	1.75	12.00
E—Garrick. Blue, dark centre .....	.20	1.75	12.00
M—Lord Wellington. Rich pink .....	.20	1.75	12.00
M—Prince of Waterloo. Pure white .....	.20	1.75	12.00
M—Sunflower. Pure yellow .....	.20	1.75	12.00

SECOND SIZE SINGLE HYACINTHS

For bedding, the second size named Hyacinths, are ideal, on account of their flowering at one time, being all one height and uniform in appearance. They are also suitable for forcing in pots or pans.

	Each	Doz.	100	1000
M—City of Harlem. Golden yellow.	\$0.15	\$1.50	\$10.00	\$90.00
M—Czar Peter. Porcelain blue ....	.15	1.50	10.00	90.00
M—Gertrude. Bright pink .....	.15	1.50	10.00	90.00
E—Gigantea. Flesh pink .....	.15	1.50	10.00	90.00
M—Grand Maitre. Bright porcelain ..	.15	1.50	10.00	90.00
L—King of Blues. Deep blue .....	.15	1.50	10.00	90.00
E—Lady Derby. Delicate pink ....	.15	1.50	10.00	90.00
M—La Grandesse. Pure white ....	.15	1.50	10.00	90.00
M—L'Innocence. Pure white .....	.15	1.50	10.00	90.00
L—Queen of the Blues. Silvery blue ..	.15	1.50	10.00	90.00
L—Roi des Belges. Bright red.....	.15	1.50	10.00	90.00

SPECIAL OFFER OF NAMED BEDDING HYACINTHS

To popularize these bedding bulbs, we offer in our selection of varieties with your choice of color delivered free within 100 miles of Philadelphia. Refer to page 2 when ordering.

25 Named Hyacinths, \$2.75	50 Named Hyacinths, \$5.00
100 Named Hyacinths, 10.00	250 Named Hyacinths, 22.50
500 Named Hyacinths, 45.00	1000 Named Hyacinths, 90.00

NAMED EXHIBITION HYACINTHS

Every year we have our most reliable grower make us a selection of the largest possible Hyacinth Bulbs to be obtained. He usually scours the entire bulb-growing district of Holland to find them. In past years they've been so sought after that we rarely have enough to meet demands; so order early. We offer them in single varieties only, our selection. Price, 30c. each; doz., \$3.00; \$20.00 per 100.

MICHELL'S SUPERB HYACINTHS (Continued) 3

CHOICE BEDDING HYACINTHS (Unnamed)

Michell's Bedding Hyacinths are larger than those put in ordinary mixtures. They will produce fine spikes and therefore can also be used for forcing purposes. Where bedding of Hyacinths is to be done in large quantity we can particularly recommend them on account of their low cost, the length of time they remain in flower, and because of their handsome effect. Parcel Post weight, 2 lbs., per dozen; per 100, 12 lbs.

SINGLE FLOWERING

	Each	Doz.	100	1000
Pink	\$0.08	\$0.80	\$4.50	\$40.00
Red .....	.08	.80	4.50	40.00
Pure White .....	.08	.80	4.50	40.00
Blush White .....	.08	.80	4.50	40.00
Light Blue .....	.08	.80	4.50	40.00
Deep Blue .....	.08	.80	4.50	40.00
Yellow. All shades, light and dark ..	.08	.80	4.50	40.00
All Colors. Mixed .....	.08	.80	4.50	40.00

DOUBLE FLOWERING

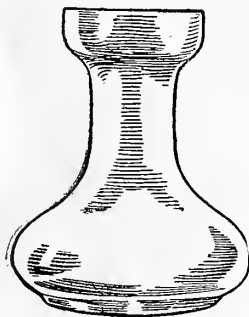
	Each	Doz.	100	1000
Red. All shades of pink and red	\$0.08	\$0.80	\$4.50	\$40.00
Pink. All shades of pink .....	.08	.80	4.50	40.00
Pure White .....	.08	.80	4.50	40.00
Blue. All shades, light and dark.....	.08	.80	4.50	40.00
Yellow .....	.08	.80	4.50	40.00
Mixed. All Colors .....	.08	.80	4.50	40.00

HYACINTH GLASSES (Not Mailable)

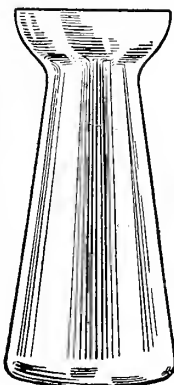
Hyacinths grow beautifully and look most decorative when grown in glasses with water. These Hyacinth glasses are specially made for this purpose.

Belgian. In the following colors: Blue, green, white, 30c. each; per dozen, \$3.00.

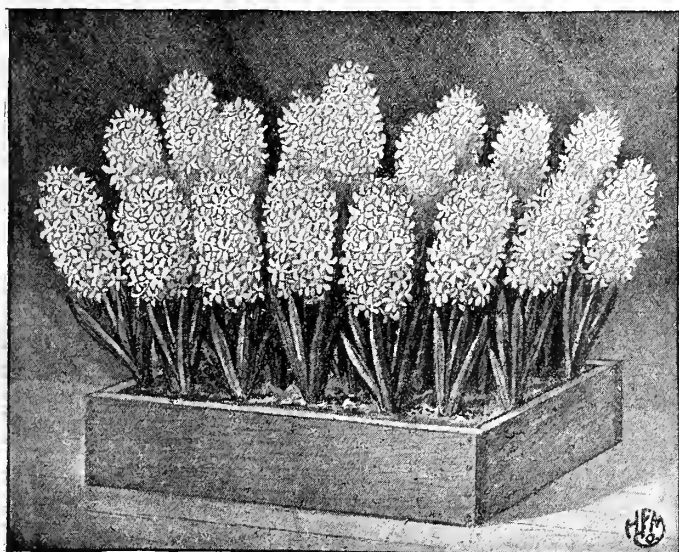
Tye or Low Pattern. Heavier than the above style, but in the same colors. 35c. each; doz., \$3.50.



Tye or Low Pattern



Belgian Style



Dutch Roman or Pan Hyacinths



Michell's Monster White Roman Hyacinths

FRENCH ROMAN HYACINTHS

French Roman Hyacinths afford a continuous supply of bloom from early winter until late in spring if planted in succession (two weeks apart). They are very fragrant.

They are easily grown in pots or pans. The bulbs, if potted in August or September, the pots plunged in the open ground for a month, until the bulbs are well rooted, and then brought in the house, they can be had in flower in November or December, and a continuous supply of these delightful flowers may be had, by bringing in a few pots or pans of the rooted bulbs at intervals of about 2 weeks. The bulbs should be planted quite close together, a 6-inch pot or pan will be sufficiently large enough for six bulbs. They are not hardy and are not suitable for outdoor planting.

	Each	Doz.	100	1000
White, selected, size 11-12 cm	\$0.08	\$0.85	\$6.50	\$60.00
White, Extra select, size 12-15 cm ...	.12	1.10	7.75	70.00
White, Mammoth, 13-15 cm .....	.15	1.35	9.50	90.00
White, Monster, 15 cm. and over ....	.18	1.50	10.50	100.00
Light Pink .....	.10	1.00	6.50	.....
Light Blue .....	.10	1.00	6.50	.....
White Italian. Late; large spikes ..	.10	1.00	6.50	.....

Parcel post weight, 1 lb. per doz.; per 100, 8 lbs.

MINIATURE OR PAN HYACINTHS

Largely grown in pans for window decoration, etc. The trusses are magnificent and almost as large as the regular hyacinths. P. P. W., 1 lb. per doz.; 100, 8 lbs.

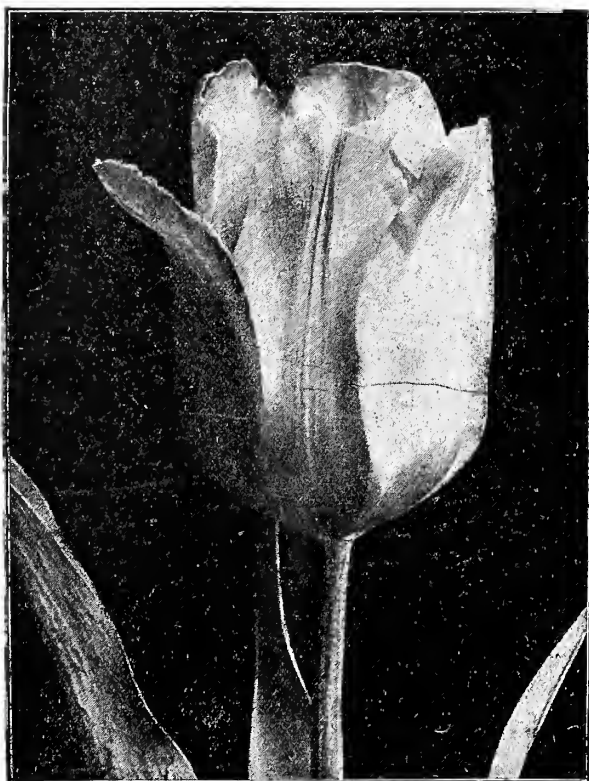
	Each	Doz.	100	1000
Gertrude. Deep pink	\$0.07	\$0.75	\$4.25	\$37.50
Gigantea. Light pink .....	.07	.75	4.25	37.50
Grand Maitre. Bright blue .....	.07	.75	4.25	37.50
King of the Blues. Deep blue .....	.07	.75	4.25	37.50
La Grandesse. Pure white .....	.07	.75	4.25	37.50
L'Innocence. Pure white .....	.07	.75	4.25	37.50
Roi des Belges. Fine deep crimson...	.07	.75	4.25	37.50
Yellow Hammer. Pure yellow .....	.07	.75	4.25	37.50

4 MICHELL'S SINGLE EARLY TULIPS For Forcing and Bedding

CULTURAL DIRECTIONS—For Bedding Out: The bed should be formed of a compost similar to that recommended for Hyacinths. Plant the bulbs 4 inches apart and about 5 inches deep. They should be covered with a litter shortly before severe freezing weather sets in.

For Pot or Pan Culture—Plant about 4 bulbs in a 6-inch pot or 5 bulbs in a 6-inch pan, water thoroughly and then remove to the open ground or in a cold frame, covering with coal ashes; after they have rooted thoroughly they should be brought in a moderately cool room and gradually warmer; by bringing in a fresh supply from the outside every ten days, they can be had in bloom all winter.

To assist customers in making selections, we have affixed in front of the varieties figures denoting the approximate height where grown under the same conditions; also one of the following letters: V, E, M, L, to indicate the comparative blooming time, so that such sorts as flower together may be easily selected. V means very early; E means early; M means midseason; L means late.



Early Single Show Tulip, "Pink Beauty"

RED AND SCARLET VARIETIES

Inches High		Doz.	100	1000
8 M	Artus.. Bright scarlet, for bedding...	\$0.50	\$3.25	\$28.00
8 M	Belle Alliance. Brilliant scarlet, for either forcing or bedding .....	.65	4.25	37.50
10 M	Couleur de Cardinal. Bright scarlet, excellent for forcing or bedding	1.00	6.25	57.50
10 M	Crimson King. Crimson red, good for bedding or forcing .....	.65	3.75	32.50
7 E	Duc Van Tholl, Cochineal. Rich vermilion; for forcing or bedding, very early .....	.80	5.50	47.50
7 V	Duc Van Tholl. Scarlet, for forcing or bedding .....	.70	4.75	40.00
12 M	Prince of Austria. Orange scarlet, for either forcing or bedding .....	.75	5.25	45.00
10 M	Vermilion Brilliant. The richest scarlet for forcing or bedding .....	.85	5.75	50.00
	Unnamed Red in all shades. ....	.60	3.25	27.00

PINK VARIETIES

8 M	Cottage Maid. Pink and white, a beautiful combination .....	.65	3.75	32.00
12 E	Pink Beauty. The most superb and largest pink Tulip in existence	1.00	6.75	60.00
8 E	Proserpine. Glossy pink, very large, forces early, excellent for bedding..	1.00	6.75	60.00
8 M	Rose Grisdelin. Delicate rose, flushed white, for forcing or bedding .....	.65	4.25	35.00
110 M	Rose Luisante. Brilliant deep pink, large flower for forcing and bedding ..	.75	5.25	45.00
	Unnamed Pink in all shades .....	.60	3.25	27.00

If wanted per Parcel Post, please add postage as per Zone rate. Weight of Single Early Tulips, packed 1 lb. per doz.; per 100, 5 lbs.

WHITE VARIETIES

Inches High		Doz.	100	1000
9 E	Joost Van Vondel, White (Lady Bo-reel). A real exhibition variety....	\$0.75	\$4.75	\$40.00
10 M	La Reine. Pure white, at times it shows a delicate shade of pink ....	.75	4.75	40.00
12 M	White Hawk (Albion). Pure white, for forcing and bedding .....	.75	4.75	40.00
	Unnamed white varieties .....	.60	3.25	27.00

VARIEGATED OR TWO COLORED VARIETIES

		Doz.	100	1000
12 M	Duchesse de Parma. Orange scarlet, yellow border; for bedding	\$0.65	\$4.25	\$37.50
12 M	Keizerkroon. Brilliant red with distinct wide golden border; for either forcing or bedding .....	.65	4.25	37.50

YELLOW VARIETIES

		Doz.	100	1000
10 M	Chrysolora. Golden yellow, for bedding; this is one of the best	\$0.65	\$4.25	\$37.50
12 E	King of Yellows. Deep golden yellow. ....	.75	5.00	42.50
8 M	Yellow Prince. Golden yellow .....	.65	4.25	37.50
	Unnamed, all Shades of Yellow60	3.25	27.00

VIOLET OR BLUE VARIETIES

9 M	Wouverman. Purple violet	\$0.70	\$4.75	\$42.50
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SINGLE UNNAMED TULIPS (For Bedding only)

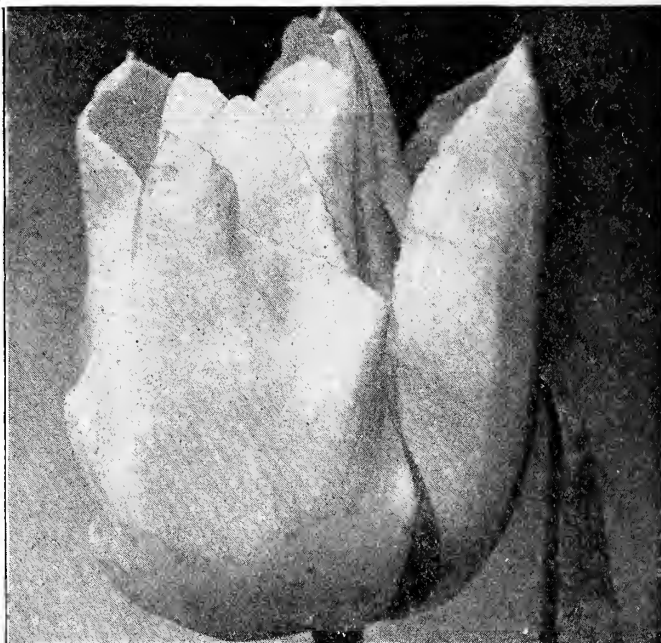
These make a fine effect where a solid color is desired, and their cost is not so much as the named varieties, although the colors are made up from the named sorts.

	Doz.	100	1000
Pink in all shades	\$0.60	\$3.25	\$27.00
Red in all shades .....	.60	3.25	27.00
White in all shades .....	.60	3.25	27.00
Yellow in all shades .....	.60	3.25	27.00

SINGLE EARLY TULIPS IN MIXTURE

Our mixtures of Tulips have long been noted for their brilliancy, proper blending and variety of color.

	Doz.	100	1000
Fine Quality, all colors	\$0.45	\$2.75	\$22.00
Superfine Quality, all colors .....	.50	3.00	25.00



Early Single Tulip, "Joost Van Vondel," White

DARWIN TULIPS

"Darwins" are a class of Tulips which bloom long after the other Tulips have flowered. The gigantic flower cups are borne on straight, stout stems, which rise far above a broad foliage and which commonly attain a height of 2 to 3 feet. For massing, bedding or border planting the Darwins are hard to equal. For pot culture they are splendid and are just the ideal Tulip to grow for Easter. The varieties marked with an asterisk (*) are most adapted for the latter purpose.

*20 **Clara Butt.** Delicate salmon pink. Its perfect shape and lovely color make it a real beauty. It is a good bedder and a splendid forcer. 60c. per doz.; per 100, \$3.50; \$30.00 per 1000.

23 **Glow.** Scarlet, margined white, blue centre. 75c. per doz.; per 100, \$5.25 \$45.00 per 1000.

*18 **Gretchen.** A most attractive variety of a soft salmon-rose color. Splendid for cutting. Good bedder and excellent forcer. 65c. per doz.; per 100, \$4.25; \$37.50 per 1000.

*16 **Inglescombe Yellow** (the Yellow Darwin). A large, globular, canary-yellow flower. A very popular variety, suitable for bedding or forcing. 65c. per doz.; per 100, \$4.25; \$35.00 per 1000.

25 **La Tulipe Noire** (the Black Tulip). Deep purple maroon, almost glittering black. Per doz., 75c.; \$5.00 per 100; per 1000, \$42.00.

*18 **Loveliness.** Soft rosy carmine, margined blush; good forcer. 60c. per doz.; per 100, \$3.50; \$30.00 per 1000.

26 **Madame Krelage.** Bright lilac rose, margined pale silvery pink, inside is a soft rose pink, very large flower of beautiful form. Per doz., 75c.; \$5.25 per 100; per 1000, \$45.00.

20 **May Queen.** Soft rose. Very large flower. Splendid bedding variety. 75c. per doz.; per 100, \$4.00; \$32.50 per 1000.

*26 **Mr. Farncombe Sanders.** Brilliant scarlet, with a white centre. Giant flowering. One of the showiest of all Darwins. Good forcer. 75c. per doz.; per 100, \$5.25; \$45.00 per 1000.

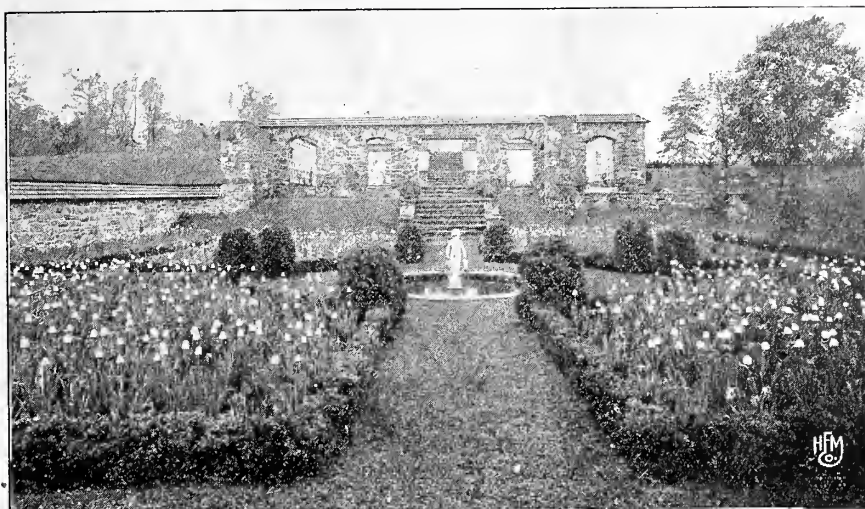
*24 **Pride of Haarlem.** Brilliant rosy carmine. This is one of the most popular varieties of Darwin. The size of the flowers is immense, having usually more than six petals, giving them the appearance of Double Tulips. Excellent forcer. 75c. per doz.; per 100, \$5.25; \$45.00 per 1000.

*20 **Rev. H. Ewbank.** Light heliotrope. Rather dwarf variety; a splendid bedder. For forcing we recommend this variety very strongly, as it stands forcing splendidly and produces large flowers of a very pleasing color. 75c. per doz.; per 100, \$4.75; \$40.00 per 1000.

20 **Sultan.** Very dark maroon, almost black. Undoubtedly the best of the dark varieties. The strong stems hold the flowers erect and make it an excellent bedder. 60c. per doz.; per 100, \$3.50; \$30.00 per 1000.

22 **White Queen.** Can be called the only white Darwin. It opens rosy white, but passes off pure white. One of the most popular varieties. 65c. per doz.; per 100, \$4.25; \$37.50 per 1000.

Darwin mixed, all colors. A great variety of all colors and shades. 50c. per doz.; per 100, \$3.00; \$26.00 per 1000.



Plantings of Darwin Tulips at the Estate of Mr. W. M. Jeffords, Glen Riddle, Pa.
Jos. Hurley, Supt.

COTTAGE GARDEN OR LATE TULIPS

Nothing in horticulture has received so much comment in late years as the late flowering tulips. They well deserve the popularity they have gained, for no other of the spring flowering bulbs can approach them for brilliancy, beauty and usefulness. For planting in beds, massing the perennial border or planting in clumps they are ideal. (All Single except where noted.)

	Doz.	100	1000
19 Blue Flag (Double). Rich violet blue...	\$0.90	\$6.00	\$55.00
18 Bouton d'Or (Ida). Golden yellow .....	.50	3.25	27.50
24 Gesneriana Spathulata. Rich scarlet, blue-black centre .....	.60	3.50	30.00
24 Gesneriana Rosea. Rich, rosy carmine ..	.60	3.50	30.00
24 Gesneriana Lutea. Rich yellow .....	.60	3.50	30.00
18 Golden Crown. Pure yellow, with narrow red margin .....	.60	3.50	30.00
16 Inglescombe Scarlet. Brilliant vermilion, with a black centre .....	.70	4.00	32.50
16 Inglescombe Pink. Salmon pink .....	.65	3.50	30.00
16 Inglescombe Yellow. Bright yellow ....	.65	4.25	35.00
24 Moonlight. Exquisite canary yellow ....	.85	5.25	47.50
20 Picotee (Maiden's Blush). White, with distinct edged border .....	.50	3.25	28.00
15 Royal White. Pure white, very fine ....	.75	5.00	42.50
12 Sarah Bernhardt (Hobbema or Le Reve). Exquisite soft rose	1.25	9.50	85.00
May Flowering Tulips (Single). Mixed ..	.45	2.75	22.50

PARROT OR DRAGON TULIPS

They are curiously curled and crested. They are fine for bedding and border planting, also useful as a cut flower.

Constantinople. Orange scarlet, with black markings in centre.
Lutea Major. Very large, bright yellow.

Markgraaf of Baden. Large yellow, striped scarlet and green.
Price of any of the above-named Parrot Tulips, 5c. each; 50c. doz.; per 100, \$3.25; \$27.50 per 1000.

Mixed in all colors. This mixture is carefully blended and contains only the choicest sorts. Each, 5c.; doz., 45c.; \$3.00 per 100; per 1000, \$25.00.

MICHELL'S BULB GROWING GUIDE

This booklet contains not only the most up-to-date cultural directions in general, but giving a very concise detail to what use each variety is best put and in addition describing very explicitly each and every bulb offered in this catalogue. Mailed free on application.

MICHELL'S DOUBLE EARLY TULIPS

Double Tulips are used very extensively for forcing, but are equally valuable for bedding purposes. They remain in flower longer than do the single sorts on account of their substance, although they do not make quite as fine a show. They should not be planted in beds with single tulips, as they do not bloom as early as the single sorts. The number prefixed before the variety denotes the approximate height.



Double Tulip—*Couronne d'Or*

	Doz.	100	1000
12 <i>Couronne d'Or</i> . A handsome rich yellow variety; grand forcer	\$0.85	\$5.75	\$50.00
10 <i>Imperator Rubrorum</i> . Brilliant scarlet; especially adapted to forcing; also fine for bedding .....	.85	5.75	50.00
8 <i>La Candeur</i> . Very large, pure white; for forcing or bedding .....	.65	4.00	35.00
7 <i>Murillo</i> . A very large pink sort, suffused with white; one of the best forcers .....	.75	4.50	40.00
8 <i>Rubra Maxima</i> . Dazzling scarlet, good bedder and splendid early forcer ..	.65	4.50	40.00
8 <i>Toreador (New)</i> . A handsome rich orange; a grand forcing variety	1.00	7.00	65.00
8 <i>Tournesol</i> . Red and yellow; for forcing and bedding .....	.85	5.50	50.00
8 <i>Tournesol</i> . Orange yellow; forces readily and is most desirable for cutting or pan culture .....	.75	5.00	45.00

Testimonial

"HOW'S THIS FOR A GOOD WORD"

I received the bulbs in fine condition and the way you people dish out quick service certainly has "my goat." In my opinion it is the best advertising medium you can employ.

JOS. T. ZIKA.

DOUBLE UNNAMED TULIPS

(Separate Colors)

These are very valuable for solid color bedding where no particular design is to be carried into effect and where expense is considered. At the low price offered anyone can afford them and thus avoid mixtures. They will bloom evenly and make a fine show. Not suitable for forcing.

	Doz.	100	1000
Pink, in all shades	\$0.50	\$3.25	\$27.50
Red, in all shades .....	.50	3.25	27.50
White, in all shades ..	.50	3.25	27.50
Yellow, in all shades ..	.50	3.25	27.50

MICHELL'S EARLY DOUBLE MIXED TULIPS

These mixtures are carefully blended with the choicest varieties taken from the named sorts. The bulbs are selected for size, and the mixture will produce a grand array of colors. For planting between perennials they are unexcelled.

	Doz.	100	1000
Fine Quality	\$0.45	\$3.00	\$25.00
Superfine Quality .....	.50	3.25	27.50

NUMBER OF BULBS REQUIRED FOR PLANTING CIRCULAR BEDS AT DISTANCES NOTED BELOW

Oval beds require very much the same number, although we will be glad to give the exact information whenever desired, also for other sized or shaped beds.

DISTANCES FOR PLANTING APART

Diameter of Bed	3 inches apart	4 inches apart	6 inches apart	8 inches apart	10 inches apart	12 inches apart
2 feet	61	37	19	.....	.....	.....
3 "	127	95	37	.....	.....	.....
4 "	217	127	61	37	24	19
5 "	331	225	91	69	37	25
6 "	469	271	127	78	52	37
7 "	631	410	169	96	71	48
8 "	817	469	217	127	85	61
9 "	1027	650	271	156	110	74
10 "	1261	721	331	190	127	91
11 "	1519	940	397	240	150	110
12 "	1801	1027	469	271	169	127
13 "	2107	1280	543	318	200	150
14 "	2437	1387	631	360	240	169
15 "	2791	1670	721	420	271	200
16 "	3169	1801	817	469	318	217
17 "	3571	2140	919	543	360	240
18 "	4037	2269	1027	590	390	271
19 "	4187	2640	1141	631	420	318
20 "	4961	2791	1261	721	469	331
21 "	5459	3210	1387	785	540	360
22 "	6981	3367	1519	817	590	397
23 "	7527	3870	1659	945	625	420
24 "	8097	4037	1801	1027	670	469
25 "	8691	4325	1951	1165	721	590

MICHELL'S BULB GROWING GUIDE

Bound into a heavy cover, we have issued the above booklet, containing not only the most up-to-date cultural directions in general, but giving a very concise detail to what use each variety is best put to and in addition describing very explicitly each and every bulb offered in this catalogue. We want every bulb grower to have one. Mailed or handed free on request.

DOUBLE NARCISSUS

Many varieties of Double Narcissus can be used for forcing, for which purpose they are highly desirable. Plant in a pan or pot anywhere from 3 to 12 bulbs, according to size of bulb. We offer large bulbs only. Parcel Post Weight of Double Narcissus, 1¼ lbs. per dozen; per 100, 10 lbs. Single bulbs mailed free.

Alba Plena Odorata. A very sweet-scented pure white variety called Double Poet's Narcissus; it flowers later than many of the other daffodils and is not desirable for forcing; height about 15 inches. 5c. each; per doz., 50c.; \$3.25 per 100; \$28.00 per 1000.

Double Jonquils (Sweet Scented). Pure golden yellow; deliciously fragrant. Clumps of these planted outdoors make a beautiful effect. Height, 12 inches. 5c. each; doz., 50c.; \$3.25 per 100; per 1000, \$27.50.

Incomparable Double. On account of the peculiar suffusion of the colors in the flower, this variety is also known as "Butter and Eggs." The color is yellow and orange, and makes an attractive cut bloom. Its greatest value is for outdoor planting, as it does not force so well. Height about 16 inches. 6c. each; per doz., 65c.; \$4.00 per 100; per 1000, \$35.00.

Orange Phoenix. Light yellow, almost white, with a yellow centre. It is splendid for forcing or pot culture. It is also called "Eggs and Bacon." Height, 16 inches. 6c. each; per doz., 60c.; \$4.25 per 100; per 1000, \$37.50.

Sulphur (or Silver) Phoenix. Flowers very large, bluish-white; the centre is sulphur colored; excellent for forcing or outdoor planting. Height about 18 inches. 6c. each; per doz., 60c.; \$4.25 per 100; per 1000, \$37.50.

Von Sion (Telamoni Plenus). The true double daffodil. The color is a pure golden yellow, entirely free from green-tipped flowers, which are often found in cheap grades. For forcing or outdoor planting it has no equal. It should be planted extensively for naturalizing.

	Each	Doz.	100	1000
First Size Bulbs	\$0.07	\$0.75	\$4.50	\$40.00
Mammoth Size Bulbs	.08	.80	5.25	47.50
Monster Bulbs, producing three or more flowers per bulb.	10c.			
each; per doz., \$1.00; per 100, \$6.75; per 1000, \$62.50.				

(For double mixed Narcissus see top of next column.)

DOUBLE NARCISSUS (Continued)

Double Mixed Narcissus. All varieties. 5c. each; per doz., 50c.; \$3.25 per 100; per 1000, \$26.00.



SWEET SCENTED JONQUILS

These delightful flowers are especially graceful when grown in pans or pots, but do equally well outdoors. The slender foliage stalks enhance a most fragrant flower borne in clusters of 2 to 4.

Single Jonquils. Rich yellow, very fragrant, height 12 inches. 3c. each; per doz., 30c.; \$1.50 per 100; per 1000, \$12.00.

Double Jonquils. Flowers very double, deep golden-yellow, height 12 inches. 5c. each; per doz., 50c.; \$3.25 per 100; per 1000, \$27.50.

Campernelle. Single yellow; a grand forcer. 3c. each; per doz., 30c.; \$1.50 per 100; per 1000, \$12.00.

Campernelle Rugulosus. Single yellow; larger than the plain Campernelle. 4c. each; per doz., 35c.; \$2.25 per 100; per 1000, \$17.50.

Parcel Post Weight of Jonquils, ½ lb. per doz.; per 100, 3 lbs.

8 MICHELL'S SUPERB NARCISSUS or DAFFODILS

CULTURAL DIRECTIONS—The Double and Single Trumpet varieties should be treated in soil, and treated similar to Hyacinths. Chinese Lilies and Paperwhite Narcissus, and the Polyanthus type, such as Grand Soleil d'Or, etc., succeed very well if planted in water and pebbles. A small lump of charcoal prevents the water from getting foul, although changes of water are advisable.

No garden is complete without the Narcissus and Jonquils, and they really deserve the foremost place among bulbous flowers. They are perfectly hardy and increase from year to year. As a house bulb in winter they are indispensable, as their culture is of the easiest possible.

Note.—In describing Narcissus, Daffodils, etc., by "perianth" we mean the flower petals surrounding the cup or funnel; "Cup" refers to a short cup-like formation in place of the funnel. "Trumpets" is a word applied to the centre tube or funnel; to assist customers in making a selection we have affixed the height and time of flowering; the height in inches is denoted by figures; F indicates that a variety is suited for planting indoors for winter blooming.

GIANT TRUMPET VARIETIES

18 F Bicolor Victoria. An enormous flower of tremendous substance, robust habit; trumpet rich golden yellow, beautifully fluted; perianth creamy white, very broad; early.

	Each	Doz.	100	1000
Large Bulbs	\$0.08	\$0.70	\$4.00	\$35.00
Monster Bulbs	.15	1.25	6.75	62.50

18 F Emperor. One of the best Narcissus in cultivation, for either outdoor or indoor culture. Entire flower is pure golden yellow. Both perianth and trumpet are very massive; mid-season.

	Each	Doz.	100	1000
Large Bulbs	\$0.08	\$0.75	\$4.75	\$42.50
Monster Bulbs	.15	1.25	6.75	62.50

18 F Empress. This variety tallies exactly with the foregoing sort, except that the perianth is pure white and the trumpet golden yellow, making the flower extremely attractive; mid-season.

	Each	Doz.	100	1000
Large Bulbs	\$0.08	\$0.75	\$4.75	\$42.50
Monster Bulbs	.15	1.25	6.75	62.50

15 F Giant Princeps. Extensively used for naturalizing; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow. (Large double-nosed bulbs.) 7c. each; doz., 75c.; \$5.25 per 100; per 1000, \$45.00.

14 F Glory of Leiden. Immense flowers of majestic appearance; very long fluted trumpet, rich, golden yellow; the perianth petals are very broad, overlapping each other gracefully. Each, 12c.; \$1.25 per doz.; per 100, \$7.50.

18 F Golden Spur. A large striking variety of wonderful robust growth, unusually good for garden culture or forcing, very early and blooms freely; the entire flower is pure golden yellow, from which it derives its name.

	Each	Doz.	100	1000
Large bulbs (Dutch)	\$0.06	\$0.60	\$3.50	\$32.00
Monster bulbs (Dutch)	.10	1.00	6.50	57.50

Golden Spur (Extra Early Forcing Strain). Desirable for Christmas and New Year's flowering indoors.

	Each	Doz.	100	1000
Large size	\$0.10	\$1.00	\$6.00	\$50.00

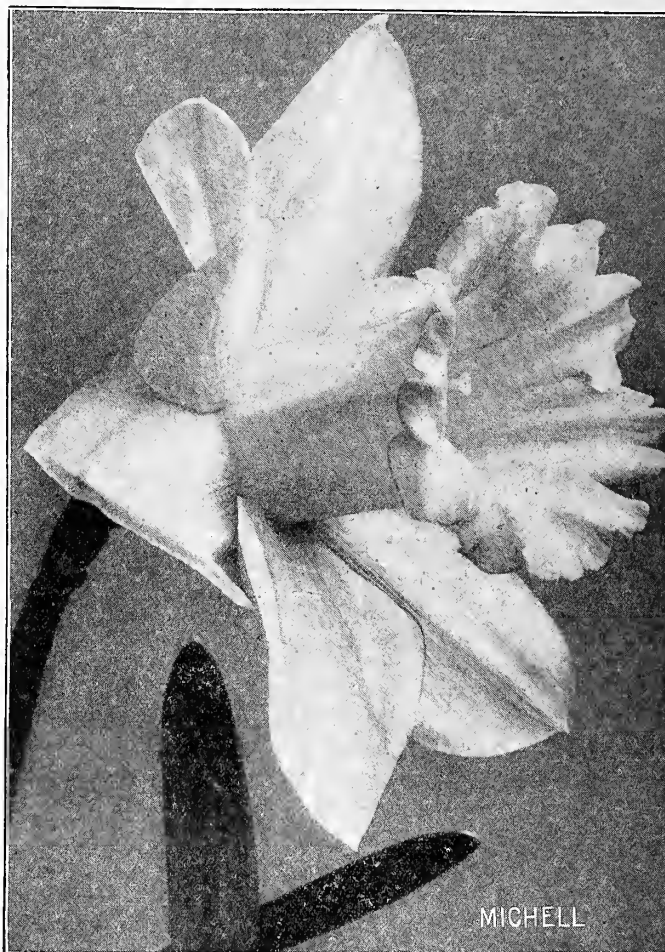
18 F Henry Irving. Perianth and trumpet are pure yellow; peculiarly adapted for border planting or naturalizing as well as for forcing; very early. 8c. each; doz., 75c.; \$5.00 per 100; per 1000, \$45.00.

18 King Alfred. One of the finest pure yellow Narcissus in cultivation. The gigantic flowers are of intense golden yellow color; the trumpet is large and open with a deep filled edge. 30c. each; doz., \$3.00; per 100, \$17.50.

A BOOK ON DAFFODILS (Narcissus)

The culture of these beautiful flowers complete in detail. Price, \$1.25.

Special Offer. For a bulb order amounting to \$20.00 or more and accompanied by remittance, we will include this interesting book free.



Single Narcissus Emperor

GIANT TRUMPET VARIETIES (Continued)

13 F Madame de Graaff. The best and largest of the pure white trumpet daffodils. When it first comes into flower it shows creamy white, changing to pure white as the flower matures; late. Each, 15c.; \$1.20 per doz.; per 100, \$7.00.

15 F Sir Watkin (Giant Chalice Flower). The flower is probably the largest in its class, measuring often 5 inches across; for moderate forcing as well as bedding on a large scale; it is pleasing and very free-flowering; perianth lemon yellow, cup or crown deep yellow; very early. 10c. each; doz., 75c.; \$4.50 per 100; per 1000, \$40.00.

15 F Trumpet Major. One of the best varieties for forcing or outdoor massing; both trumpet and perianth deep golden yellow; very early. Each Doz. 100 1000
Dutch-grown bulbs for out-
doors and forcing\$0.07 \$0.65 \$4.25 \$37.50

15 F Trumpet Major (Christmas Flowering). French-grown, for early forcing; produces medium-sized flowers with long stems. Each Doz. 100 1000

Mammoth bulbs\$0.07 \$0.65 \$4.25 \$35.00

Single Mixed Narcissus. Splendid for planting out, for naturalizing in woods, meadows, borders, etc., 5c. each; doz., 50c.; \$3.25 per 100; per 1000, \$26.00.



Narcissus Poeticus Ornatus (Natural Size)

THE OLD-FASHIONED POET'S NARCISSUS

This class is noted for its hardiness and freedom of bloom. It is one of the most popular types, used extensively for wild gardening and naturalizing. They are quite fragrant and are splendid for cut flowers.

15 F King Edward VII (Almira). An improved type, having magnificent large flowers with broad, round petals, a glistening white, and the yellow cup is edged deep red; a very early flowering variety. 7c. each; doz., 65c.; \$4.25 per 100; per 1000, \$37.50.

24 F Poetaz Elvira. This remarkable novelty is the result of a cross between the Pheasant Eye and the Polyanthus Narcissus, combining hardiness with the cluster flowering effect. The blooms which are pure white of remarkable substance and delicate yellow cup never come less than 3 to 4 to a long stem and from 2 to 3 stems are produced from a single bulb. The fragrance is distinct, resembling that of a Gardenia. It forces well and early. Each, 7c.; 65c. doz.; per 100, \$4.00; \$35.00 per 1000.

12 Poeticus Ornatus. A much improved form of the ordinary Poeticus, producing larger flowers and blooming two weeks earlier; especially adapted for forcing; mid-season.

	Each	Doz.	100	1000
First-size Bulbs	\$0.05	\$0.40	\$2.25	\$17.50
Mammoth Bulbs .....	.06	.65	4.00	32.50

HARDY NARCISSUS IN MIXTURE

For massing in borders, fields, woods and, in fact, anywhere, they more than return their cost in the liberal manner in which they flower, producing a wide range of color and variety of bloom. We offer large size bulbs only, which can be depended upon for results the first season.

Single Varieties. 50c. per doz.; per 100, \$3.25; \$26.00 per 1000.

Double Varieties. 50c. per doz.; per 100, \$3.25; \$26.00 per 1000.

POLYANTHUS NARCISSUS

This class of Narcissus is a most interesting one. They may be grown in water and pebbles like Chinese lilies, but they are equally suited for growing in soil. The flowers are produced in clusters, like the illustration, and they are delightfully fragrant. Not suitable for outdoors. Parcel Post Weight of Polyanthus Narcissus, 2 lbs., per doz.; per 100, 12 lbs.

Double Roman. White perianth, with an orange and yellow suffused cup very free flowering and early. 5c. each; per doz., 50c.; \$3.25 per 100; per 1000, \$27.50.

Gloriosa. A very showy type, with white perianth and orange yellow cup; very pretty. 10c. each; per doz., 80c.; \$4.50 per 100; per 1000, \$40.00.

Grand Monarque. Large, broad, white perianth with a primrose-yellow cup; a very striking flower. 6c. each; per doz., 60c.; \$4.00 per 100; per 1000, \$32.50.

Grand Primo. Large white perianth with yellow cup. 8c. each; per doz., 85c.; \$6.00 per 100; per 1000, \$55.00.

Grand Soleil d'Or (often called "Yellow Paperwhite"). Rich yellow, with deep red cup. For cutting this is a fine variety, as it makes a grand show. 10c. each; per doz., \$1.00; \$7.50 per 100.

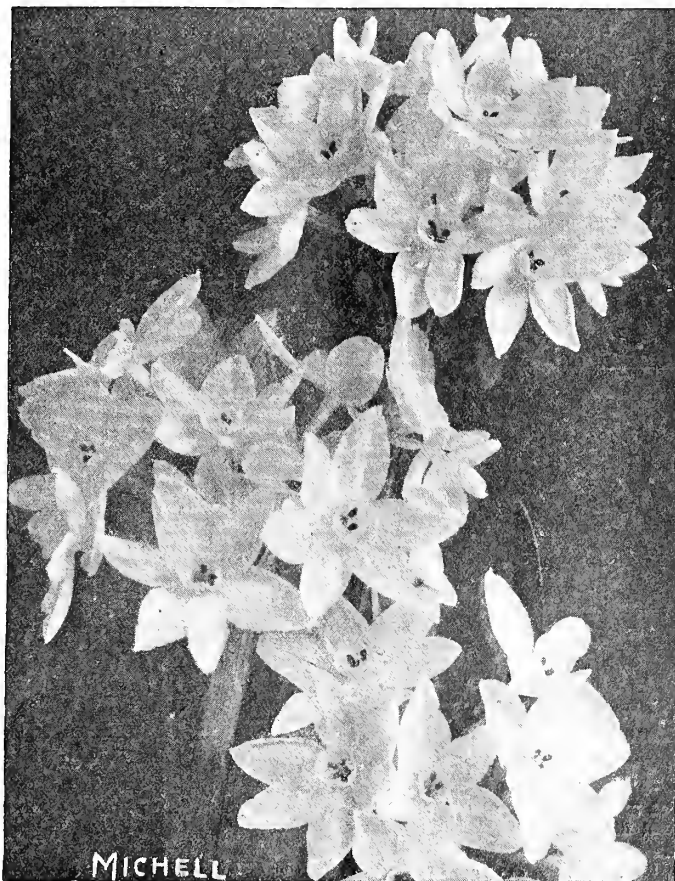
Paper White Grandiflora, First Size Bulbs. This is quite a specialty with us; of it alone we import two million bulbs. It is a pure white flowering sort; used extensively for forcing, as it can be brought into bloom in 8 weeks' time; the stems are very long and it is excellent for bunching. 6c. each; per doz., 60c.; \$3.50 per 100; per 1000, \$30.00.

Paper White Grandiflora, Mammoth Bulbs. 8c. each; per doz., 70c.; \$4.50 per 100; per 1000, \$40.00.

Paper White Grandiflora, Giant Bulbs. 10c. each; doz., 85c.; \$6.00 per 100; per 1000, \$50.00.

White Pearl. A large pure white; very exquisite. 10c. each; per doz., 85c.; \$6.25 per 100; per 1000, \$55.00.

Polyanthus Narcissus, Mixed. All colors and varieties. 6c. each; per doz., 60c.; \$3.75 per 100; per 1000, \$32.50.



Narcissus Paper White Grandiflora

10 MICHELL'S SUPERB EASTER LILY BULBS

For Indoor Culture

Cultural Note—In order to obtain best results, attention to the following brief directions will assist materially: Upon receiving the bulbs, pot them immediately. Place a handful of well-rotted cow manure in the bottom of the pot, add about one inch of soil, and place the bulb directly on top, covering it with soil. After watering, place in an outside pit; cover well with soil, ashes, or any other suitable litter. When thoroughly rooted, bring inside, in a temperature of about 60°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench. About two months before Easter they can be brought into a warmer temperature and gradually forced into flower and height at one time. An occasional application of liquid cow manure will stimulate the plant wonderfully. Spray the foliage once a day. Never allow the soil to get very dry, and never feed, unless the soil is moist.

From our experience, which we are sure compares with the experience of growers themselves, we have found that the best results from Easter Lily Bulbs of any variety are obtained when the bulbs are planted in *fresh new soil*. Every batch of Easter Lilies that are potted should be in soil that has never been employed in greenhouse work. You will be surprised to note the difference and the satisfaction that you will get from your Lily Bulbs.

MICHELL'S "SPECIAL BRAND" LILIUM HARRISII

(True Bermuda Easter Lily)

Noted for freedom from disease, uniformity and free flowering qualities.

Size in Circum.	Each	Doz.	100
5 to 7 inches	\$0.40	\$4.00	\$30.00
6 to 7 "	.60	6.00	40.00
7 to 9 "	.75	7.00	60.00
9 to 11 "	1.00	11.00	.....
11 to 13 "	1.50	15.00	.....

LILIUM LONGIFLORUM MULTIFLORUM

MICHELL'S SPECIAL BRAND (Ready in October)

This brand must not be compared with lower priced bulbs, as it is a distinct selection.

	P. P. Wt. per doz.	Each	Doz.	100
7 to 9 inches	3½ lbs.	\$0.40	\$4.00	\$30.00
8 to 10 "	4 lbs.	.60	6.00	40.00
9 to 10 "	5 lbs.	.75	7.00	60.00
Monster Bulbs	7 lbs.	1.00	10.00	.....

LILIUM FORMOSUM

(The Formosa Easter Lily)

Similar to the Bermuda Lily, but blooms earlier.

Dark Stemmed Type

(Flowering generally in March and April)

	P. P. Wt. per doz.	Each	Doz.	100
7 to 9 inches circum.	3½ lbs.	\$0.60	\$6.00	\$40.00
9 to 10 "	5 lbs.	.75	7.00	60.00

Green Stemmed Type

(Flowering generally in January, February and March)

	P. P. Wt. per doz.	Each	Doz.	100
6 to 8 inches circum.	2½ lbs.	\$0.40	\$4.00	\$30.00
7 to 9 "	3½ lbs.	.60	6.00	40.00
9 to 10 "	5 lbs.	.75	7.00	60.00

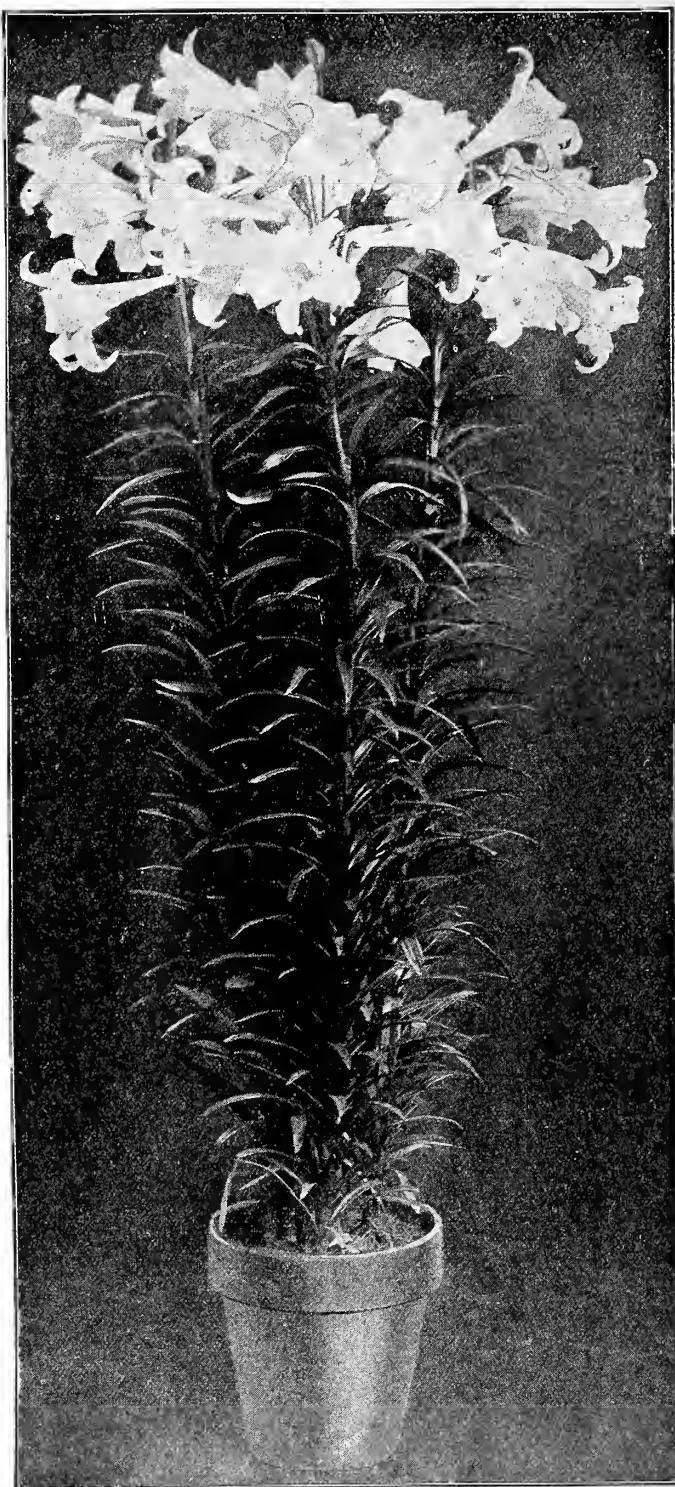
LILIUM LONGIFLORUM GIGANTEUM (True)

	P. P. Wt. per doz.	Each	Doz.	100
6 to 8 inches	2½ lbs.	\$0.40	\$4.00	\$30.00
7 to 9 "	3½ lbs.	.60	6.00	40.00
9 to 10 "	5 lbs.	.75	7.00	60.00
Monster Bulbs, 10 to 12 inches	7 lbs.	1.00	10.00	75.00

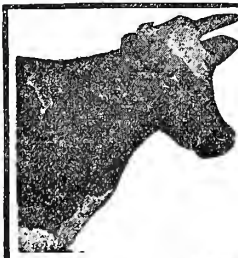
LILIUM LONGIFLORUM "AZORES"

A splendid strain, grown at the "Azores," producing strong, uniform flowers. Free from disease.

Size in Circum.	Each	Doz.	100
6 to 7 inches	\$0.40	\$4.00	\$30.00
7 to 9 "	.60	6.00	40.00
9 to 11 "	.75	7.00	60.00



Lil. Giganteum



Cow Manure (Shredded). One sack of this is equal to one cartload of fresh cow manure, making it possible for every one to get this usually scarce article at all times. Excellent for mixing with soil when potting bulbs, especially lilies. 5 lbs., 35c.; 10 lbs., 60c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.25; 500 lbs., \$15.00; 1000 lbs., \$26.00; ton, \$50.00

Owing to the scarcity of Lilies, all prices are subject to change

(hb)



Lilium Candidum, (Madonna Lily)

NOTE—Owing to the uncertainty of ultimate costs to us, the prices on Japanese lilies are subject to change.

Cultural Directions: All Hardy Lilies should be planted from 6 to 8 inches deep, the Japan varieties even 12 inches deep; the bulbs should be completely enveloped in sand; no manure should come in contact with the bulbs, but may be placed 4 to 6 inches underneath. All loose petaled bulbs should be planted on their side instead of upright. Hardy Lilies are sometimes grown in pots for indoor blooming, in which case they are handled much like the Bermuda Easter Lilies.

JAPANESE LILIES

Auratum (*Golden Banded Lily from Japan*). Enormous; measuring frequently 8 to 12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. Flowers in August, delightfully fragrant; a single stem produces on an average from 8 to 15 flowers.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum.....	.45	4.75	35.00
Monster Bulbs, 11 to 13 inch circum.....	.75	7.50	55.00

Melpomene (*Japan*). Rich deep pink, spotted dark red; free blooming and robust in growth; very fragrant; height, 3½ feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum.....	.45	4.75	35.00
Monster Bulbs, 11 to 13 inch circum.....	.75	7.50	55.00

Speciosum Album (*Japan Lily*). The best late flowering pure white hardy garden lily of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stems; height, 4 feet; blooms August and September.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum.....	.45	4.75	35.00

Speciosum Magnificum (*Japan*). An enormous flower, rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album"; height, 3 feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum.....	.45	4.75	35.00
Monster Bulbs, 11 to 13 inch circum.....	.75	7.50	55.00

Speciosum Rubrum or Roseum (*Japan*). Delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height, 3 feet; flowers in August and September.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum.....	\$0.35	\$3.75	\$30.00
Mammoth Bulbs, 9 to 11 inch circum.....	.45	4.75	35.00
Monster Bulbs, 11 to 13 inch circum.....	.75	7.50	55.00

MISCELLANEOUS JAPANESE LILIES

	Each	Doz.
Batemani. Apricot colored, 3 feet, July.....	\$0.75	\$7.50
Brownii. Pure white inside, outside brown.....	.75	7.50
Krameri. Blush pink, 3 feet, August.....	.75	7.50
Macranthum. Giant Golden Banded Lily, August....	.80	8.00
Rubro-Vittatum. Spotted, purplish crimson.....	1.00	10.00
Wittei. Very fragrant; white, yellow band.....	1.25	12.50

LILIUM CANDIDUM

(Sometimes called St. Joseph's, Madonna, or Annunciation Lily.) One of the most popular and satisfactory of the American garden lilies. Pure waxy white flowers produced on straight stems bearing anywhere from 10 to 30 blooms of good size and substance; delightfully fragrant. Effective plantings are the result of massing them in clumps or borders. Our bulbs are grown in Northern France, where they have a reputation of growing the finest in the world. To insure absolute success, plant the bulbs as early as possible—September preferred; blooms in June. (Ready now.)

	Each	Doz.	100
Large Bulbs	\$0.15	\$1.50	\$9.00
Mammoth Bulbs .....	.20	2.00	12.50
Monster Bulbs .....	.25	1.50	17.50

AMERICAN OR NATIVE LILIES

Canadense (*Canadian Bellflower Lily*). Bright yellow bell-shaped flowers; spotted black inside; June and July; 2 feet.....

Canadense Rubrum. Same as above, crimson with black spots

Elegans, Leonard Joerg. Rich apricot pink..

Hansonii. Flowers reddish orange 8 to 12 in a cluster; petals thick and durable.....

Henryi (*New and Rare*). Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion.....

Superbum (*Turk's Cap Lily*). One of the best lilies for all purposes; will succeed everywhere; according to location, will grow from 3 to 6 feet high and produce from 15 to 25 nodding brilliant orange red flowers on a single stalk during July

Tenuifolium (*Coral Lily*). Brilliant scarlet, bell-shaped flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of borders, rockeries or cutting; foliage very slender; flowers in May.....

Umbellatum. A showy, massive lily, flowering in June; the broad, open flowers appear upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet.....

LILIUM REGALE (Myriophyllum)

Introduced from China; absolutely hardy, also splendid for forcing; white suffused pink, shaded canary-yellow. \$1.00 each; doz., \$10.00.

Important—The new Plant Quarantine No. 37, which went into effect on June 1st, 1919, prohibits the importation of a number of bulbs, such as Allium, Anemones, Baby Gladiolus, Snowdrops, Scillas and others. We have, therefore not listed these bulbs, but we have made arrangements with our growers to produce these bulbs and we will be in a position to furnish same in best quality, if the law should be modified or repealed.

AMARYLLIS

One of the most gorgeous showy house plants, giving splendid satisfaction, not only because of their requiring little care, but of their everlasting nature and tendency to increase.

Cultural Directions—Place bulbs in live moss, only moderately moist, near a window of a warm room. Watch the bulbs carefully, and when the first sign of growth appears through the top, get a six-inch pot and be ready to pot up. The soil to be used should be fairly rich and when the bulb is set, most of it should be above the soil. Be moderate in watering first, but increase as growth increases, then place in a warm, light room near the window.

Formosissima (Jacobean Lily). Rich crimson flowers, splendid for pot or outdoor culture in summer. 25c. each; doz. \$2.50; \$15.00 per 100.

Hybrids of Vittata. Beautiful species, flowers striped and flaked. 60c. each; per doz., \$6.00.

Johnsoni. A very large crimson sort, striped white. Mammoth bulbs, 60c. each; per doz., \$6.00. First size bulbs, 40c. each; per doz., \$4.50.

BEGONIAS (Tuberous Rooted)

Ready in January

There hardly is a single garden in which there are semi or entirely shaded spots where the average flower will not grow; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall. Plant bulbs outdoors about May 1st.

SINGLE VARIETIES

	Each	Doz.	100		Each	Doz.	100
Crimson	..\$0.25	\$2.50	\$15.00	Scarlet	..\$0.25	\$2.50	\$15.00
Orange	... .25	2.50	15.00	White	... .25	2.50	15.00
Pink	.... .25	2.50	15.00	Yellow	... .25	2.50	15.00
Deep Rose	..25	2.50	15.00	Mixed	.... .25	2.50	15.00

DOUBLE VARIETIES

In separate colors as above	.....\$0.25	\$2.75	\$17.50
Mixed, all colors	..... .25	2.75	17.50

DIELYTRA (Bleeding Heart)

Ready in November

Spectabilis. The heart-shaped flowers are produced on long drooping stems, of a beautiful rose and white color combination. After blooming, the foliage makes a very attractive appearance. Dielytra forces very readily in a green house or conservatory. Parcel Post Weight, 1 lb. each; per doz., 10 lbs. 35c. each; doz., \$3.75; \$25.00 per 100.

GLOXINIAS

Ready in January

Gorgeous plants for either conservatory or garden. They prefer a moist soil and a shady situation. Bulbs may be started as early as January, but should not be set outdoors until after May 15th. Bulbs must be lifted in the fall.

	Each	Doz.	100
King George V. Red	.....\$0.30	\$3.00	\$20.00
Meteor. Flesh, deep pink border	..... .30	3.00	20.00
Reading. Scarlet	..... .30	3.00	20.00
Queen Alexandra. White	..... .30	3.00	20.00
Duchess of York. Purple, white border	..... .30	3.00	20.00
Reading Purple. Solid purple	..... .30	3.00	20.00



CALLA LILY BULBS

Callas require good, rich soil and plenty of warmth and water to make them thrive. Plant Callas indoors only.

Godfrey (Everblooming). This comparatively new calla has proven an excellent one; its character is exactly like the Aethiopica or regular variety, except it is of much dwarfer habit and freer bloomer; very desirable as a pot plant. Large blooming size bulbs, 25c. each; doz., \$2.75; \$17.50 per 100.

	Diam. of Bulbs	Each	Doz.	100
Aethiopica, White, Monster Size, 2 to 2½ in.	2 to 2½ in.	\$.50	\$5.00	\$35.00
" " Mammoth Size, 1¾ to 2 in.	1¾ to 2 in.	.30	3.00	20.00
" " Medium Size, 1½ to 1¾ in.	1½ to 1¾ in.	.20	2.00	12.50
" " First Size, 1¼ to 1½ in.	1¼ to 1½ in.	.15	1.50	10.00

Spotted Calla. White flower, green foliage, spotted white, 20c. each; dozen, \$2.00; \$12.50 per 100.

Yellow Calla (Elliottiana). Ready in November. The deep golden yellow flowers are truly magnificent, and produced in abundance. The green foliage is spotted creamy white, which adds to its beauty. 35c. each; dozen, \$3.75; \$25.00 per 100.

CROCUS

They are most effective for borders or beds, also for planting in clumps amongst shrubbery. In lawns, planted in the grass the Crocus are extremely effective. The Giantfig varieties are also splendid for flowering in pots.

GIANT NAMED CROCUS

	Doz.	100	1000
Baron von Brunow. Deep blue	.....\$0.30	\$2.00	\$17.50
Cloth of Gold. Rich yellow, brown veins	.... .30	2.00	17.50
Cloth of Silver. Silvery white, striped lilac	.... .30	2.00	17.50
Mont Blanc. Pure white	..... .30	2.00	17.50
Giant Named Mixed	..... .30	1.75	15.00

MIXED CROCUS IN SEPARATE COLORS

Our bulbs of mixed Crocus are all of the largest size and should not be confounded with the cheap mixtures which are frequently offered.

	Doz.	100	1000
Blue and Purple	.....\$0.25	\$1.50	\$12.00
Striped	..... .25	1.50	12.00
White	..... .25	1.50	12.00
Yellow. First size	..... .25	1.50	12.00
Yellow. Mammoth size	..... .30	1.75	16.00
Yellow. Giant size	..... .50	2.50	22.50
Mixed. All colors	..... .20	1.25	10.00

Dozen lots of Crocus mailed free. Weight, per 100, 2 lbs.

MICHELL'S MAMMOTH FLOWERING CHINESE LILIES

Place from 3 to 6 bulbs in a bowl on top of pebbles to the depth of 2 inches; also place a piece of charcoal with the pebbles to keep the water sweet. Place more pebbles around the bulbs so they will not topple over and then fill the bowl with water to the top of pebbles. After being planted they should be stored for three weeks in a cool, dark corner and then brought forth to a light but cool place, where they will grow to the highest point of perfection. Excessive heat produces quick growth, but will blight the buds and no flowers are the result; they also do best where no coal stoves or gas-lights are used in the room where they flower.

They may of course also be grown in pots with soil or sand, bulbs, fibre and moss. To have succession of blooms start a fresh bowl every 2 weeks.

	Each	Doz.	Basket of 30 Bulbs
Large Bulbs	\$0.20	\$2.25	\$5.00
Mammoth Bulbs .....	.25	2.75	6.00

Parcel Post Weight of Chinese Lilies, 4 lbs. per dozen. Single bulbs mailed free.

GOLDEN CHINESE LILY

A beautiful variety. The centre cup is deep yellow while the perianth is lighter. Treat exactly the same as the regular Chinese Lily. Very fragrant.

Large Bulbs—10c. each; per doz., \$1.00; \$7.50 per 100.

Pebbles for Chinese Lilies. Carefully screened and selected. 10c. per qt.; 50c. per peck; bushel, \$1.50; \$3.50 per barrel. (Pebbles cannot be mailed.)

OXALIS (Ready in July)

For conservatory, greenhouse and window garden culture the Oxalis is ideal. It succeeds anywhere and with any one, flowering often in 6 to 8 weeks after planting.

	Each	Doz.	100
Grand Duchess. Yellow	\$0.04	\$0.40	\$1.75
" " White .....	.04	.40	1.75
" " Pink .....	.04	.40	1.75
" " Lavender .....	.04	.40	1.75
Bermuda Buttercup. Yellow first size .....	.04	.40	1.75
" " Monster bulbs .....	.05	.50	3.00
Bowei. Large flg.; rich pink .....	.04	.40	1.75

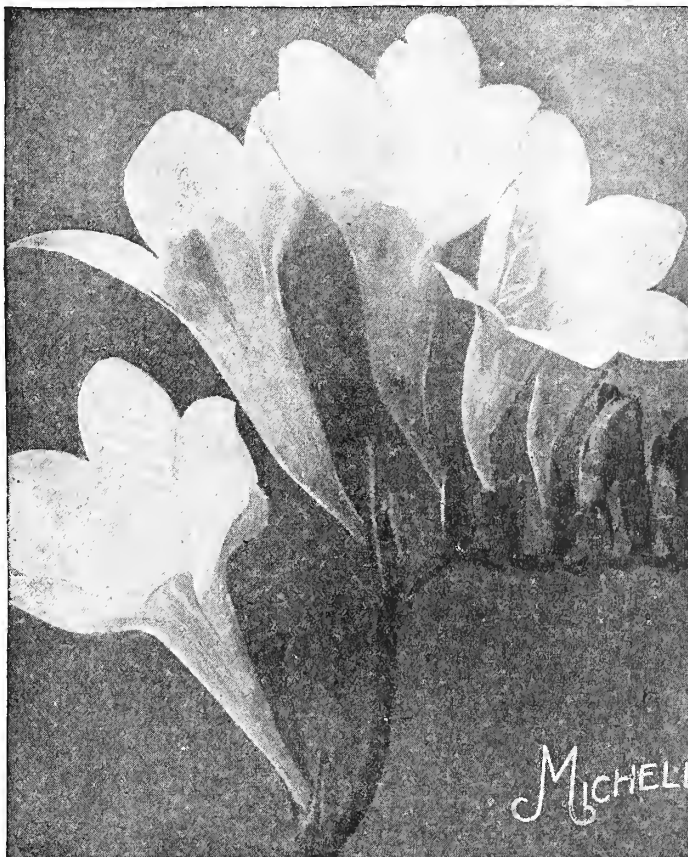
SAGO PALMS (Cycas Revoluta)

These interesting as well as ornamental plants may be grown from the dormant (leafless) trunk or stem with great success. Their cultivation is very simple, may be wintered in any conservatory or light living room. During the summer they can be placed upon the lawn, where they are most appropriate ornaments. We have just received a consignment from Japan, which will be the last to arrive, as the Plant Exclusion Law, which took effect June 1, 1919, prohibits the further importation of these. Fine strong dormant stems. 30c. per lb.; 5 lbs., \$1.25. Stems vary from 2 to 5 lbs. each.

FREESIA "PURITY"

This grand type supersedes all the old varieties of Freesias. The flowers are almost twice the size of the regular type; they also differ somewhat, being a pure glistening white; the stems are often 15 inches long and very wiry, rendering it a most valuable cut flower. Each bulb will produce 3 or 4 flower stems.

	Each	Doz.	100	1000
First Size Bulbs	\$0.04	\$0.35	\$2.00	\$17.50
Mammoth Size Bulbs .....	.05	.40	2.50	20.00
Monster Size Bulbs .....	.10	1.00	5.00	45.00
Jumbo Bulbs .....	.12	1.25	6.00	50.00



Purity Freesia

FREESIA FISCHERI (New)

A vast improvement over Purity Freesias and is described by the originator as the finest, largest, purest, strongest and most fragrant of all Freesias. Pure white without a trace of yellow. Each, 15c.; \$1.50 per doz.; per 100, \$10.00; \$85.00 per 1000.

NEW COLORED FREESIAS

Equal in size to the "Purity." These colored Freesias produce flowers of excellent form and splendid texture.

	Each	Doz.	100
Lavender	\$0.15	\$1.50	\$10.00
Pink .....	.15	1.50	10.00
Blue .....	.15	1.50	10.00
Mixed .....	.10	1.00	7.50

LILY OF THE VALLEY (Ready in December.)

A beautiful pure white flower; principally used for winter forcing. Very fragrant and produced in abundance. For indoor culture plant about 25 pups or roots in a 7-inch pot or pan, place outside, where they should be left until they have been subjected to several nights' freezing, which brings them into flower more readily. When grown outdoors always plant in a shaded place, preferably moist. For outdoor culture, we especially recommend the clumps, as they give a quicker and better effect at less cost. Parcel Post Weight, 6 lbs. per 100.

Michell's Fancy Giant Flowering. The finest strain of Valley procurable. Price on application.

Clumps. Ready in November. For outdoor planting only. 50c. per clump; per doz., \$5.00; \$35.00 per 100.

TESTIMONIAL ON MICHELL'S BULBS

The bulbs received from you were excellent—could not have asked for anything better. As to your business methods, you are certainly O. K.

Chas. E. Brook.

MICHELL'S "DISTINCTIVE" FLOWER SEEDS

FOR AUTUMN AND EARLY WINTER SOWING

For Complete List of Flower Seeds, see our General Catalog for 1919

ACHILLEA (Milfoil or Yarrow)

Ptarmica, Fl. Pl., "The Pearl." Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; 2 feet Large Pkt. Pkt. \$0.50 \$0.10

ACONITUM (Monk's Hood or Helmet Flower)

Hardy perennial, thriving best in semi-shady situations; curious hood-shaped flowers in clusters; height, 4 feet; August-September. Large Pkt. Pkt. Napellus. Blue \$0.30 \$0.05

AGROSTEMMA

Coronaria (Mullein Pink). Stout erect growing plants with silvery foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; July and August.. .20 .05

ALYSSUM

One of the most popular garden flowers; remaining in bloom the entire season; used for edging or in rockeries or vases; also useful for winter flowering. Large pkt. Pkt.

Lilac Queen. Of dwarf compact growth, with flowers of a pure lilac color; 4 inches \$0.40 \$0.10

Little Dorritt. Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edgesoz., 90c. .20 .05

Little Gem. Dwarf compact plants, densely covered with large white flowers; height, 4 inches..oz. 75c. .20 .05

Lutescens. Of dwarf, compact habit, with yellow flowers; annual; 4 inches40 .10

Sweet. The popular old-fashioned sort, the best for broad edges and vases. Pure white; height, 6 inchesoz., 40c. .20 .05

Saxatile Compactum (Basket of Gold). An ideal hardy perennial plant, flowering in May; showy golden yellow flowers; 1 footoz., \$1.25 .25 .05

AMPELOPSIS (Boston or Japanese Ivy)

Veitchii. A hardy perennial climber with olive-green leaves, which turn to scarlet in the autumn. The best hardy vine for covering brick or stone buildings or wallsoz., 50c. .20 .10

ANCHUSA (Sea Bugloss)

Italica "Dropmore." A very popular strong growing hardy perennial plant, 4 feet high, with an abundance of beautiful flowers of a lovely gentian blue.. .30 .15

ANEMONE (Wind Flower)

A dainty spring flower with bright cup-shaped blossoms; splendid for cutting; perennial. Large pkt. Pkt.

Corouaria Mixed. All colors; 1 foot \$0.20 \$0.05

St. Brigid, or Poppy. Flower large, semi-double and double; in many colors; 1 foot40 .15

ANTHEMIS (Hardy Marguerite)

Tinctoria Kelwayi. A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; 2 feet30 .10

AQUILEGIA (Columbine). See next page

ARABIS (Rock Cress)

Alpina. Early spring flowering perennial; especially adapted for edging and rockeries; plants form a dense carpet completely covered with pure white blossoms; 6 inches20 .05

ARMERIA (Sea Pink or Thrift)

Formosa. A pretty hardy perennial for edgings, blooming all summer; rosy pink flowers; 9 inches30 .10

ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter.

MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length dressed with giant flowers of the purest colors. Large pkt. Pkt.

Michell's Giant Salmon Pink. A valuable addition to this popular flower; long spikes of a delicate salmon pink color \$0.50 \$0.15

Silver Pink. A fine variety; long spikes and a profuse bloomer. Original pkt., \$1.00.

Giant Garnet .....	.25	.10
Giant Pink .....	.25	.10
Giant Scarlet .....	.25	.10
Giant Striped .....	.25	.10
Giant Venus. Shell pink on white ground.....	.40	.15
Giant White .....	.25	.10
Giant Yellow .....	.25	.10
Giant Mixed. All colors .....oz., 90c.	.25	.10
Collection, one packet each six colors, 50c.		

Tall Mixed. Regular strain. Pkt., 5c.; 20c. large pkt; oz., 75c.

SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 in. high, but have extreme large flowers over most part of the stem.

Bride. Pure white. Pkt., 10c.; 30c. large pkt.

Captivation. Rich chamois, shaded pink. Pkt., 25c.; 65c. per 3 pkts.

Daphne. Carmine pink, white throat. Pkt., 10c.; 25c. large pkt.

Defiance. Fiery scarlet. Pkt., 10c.; 25c. large pkt.

Golden Queen. Golden yellow, giant flowers. Pkt., 10c.; 25c. large pkt.

Nelrose. Pkt., 25c.; 50c. large pkt.

Pink Gem. Rose pink. Pkt., 25c.; 65c. per 3 pkts.

Queen of the North. Of purest white. Pkt., 10c.; 25c. large pkt.

Spitfire. Orange scarlet. Pkt., 25c.; 65c. per 3 pkts.

Mixed. All colors. Pkt., 10c.; 25c. large pkt.; per oz., 90c.

DWARF ANTIRRHINUMS

The Dwarf or Tom Thumb varieties are excellent for bedding; also for edges. Height, 12 inches.

Tom Thumb Mixed. All colors. Pkt., 10c.; 25c. large pkt.

Testimonial

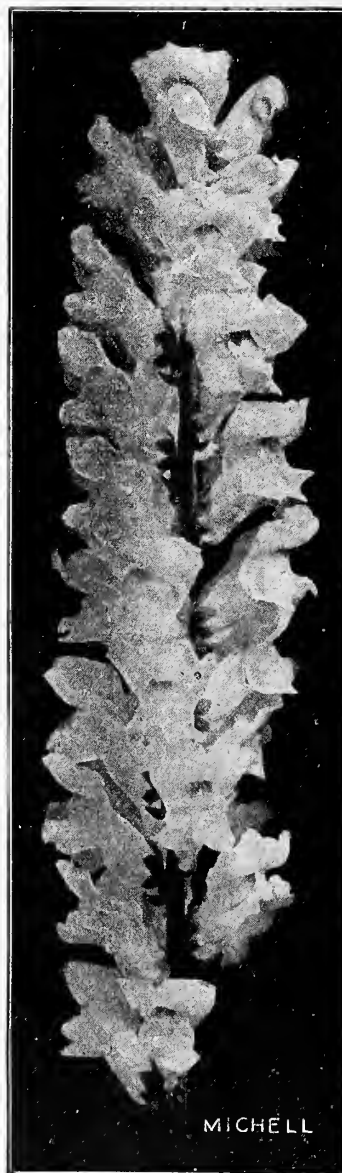
Toronto, Ont., Canada.

Gentlemen:

Kindly fill order for the amount enclosed. I may say that the seeds purchased from you last season were highly satisfactory.

Yours truly,

G. T. P.



Antirrhinum (Snapdragon)

Ask for Cultural Leaflet No. 201 on the growing of Antirrhinums.

*Aquilegia (Columbine) Long Spurred***AQUILEGIAS OR COLUMBINES**

These are among the most beautiful of spring and early summer flowers; very effective when grown in the herbaceous border and groups among shrubbery. Graceful spurred flowers on stems 2 feet or more above the foliage.

	Large Pkt.	Pkt.
<i>Californica Hybrida</i> . Mixed colors; long spurs.....	\$0.40	\$0.10
<i>Chrysantha</i> . Bright golden yellow .....	.50	.10
<i>Chrysantha Alba</i> . Pure white .....	.50	.10
<i>Coerulea (Rocky Mountain Columbine)</i> . Large flowers, violet, blue and white .....	.40	.10
<i>Flabellata Nana Alba</i> . Dwarf; pure white .....	.20	.10
<i>Haylodgensis Delicatissima</i> . Satiny rose .....	.50	.20
<i>Long Spurred Hybrids</i> . Flowers of many rich and varied colors, with long spurs .....	.40	.10
<i>Nivea Grandiflora</i> . Pure white .....	.20	.05
<i>Rose Queen</i> . Pink, white centre .....	.50	.15
<i>Double Mixed</i>	oz., 75c.	.20
<i>Single Mixed</i>	oz., 75c.	.20

ASPARAGUS

	100 Seeds.	Pkt.
<i>Hatcheri</i> . Of dense and symmetrical growth; dainty fern-like fronds set close together along the stalk; valuable for decorative use, also for specimen pot plants	\$1.00	\$0.25
<i>Plumosus Nanus</i> . An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut	1.00	.25
<i>Sprengeri</i> . One of the best plants to grow in hanging baskets or window boxes for the greenhouse in winter or for outdoors in the summer.....	.50	.10

ASTER, PERENNIAL (Michaelmas Daisy)

	Large Pkt.	Pkt.
<i>Choice Mixed</i> . One of the showiest of our late flowering perennial plants and very effective in borders or groups. Star-like single flowers; 2 to 3 feet...\$0.30		\$0.10

AURICULA (Primula Auricula)

<i>Choice Mixed</i> . These early flowering perennial plants resemble primroses and have multi-colored flowers in great variety; 1 foot; May65	.10
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BAPTISIA (False Indigo)

	Large Pkt.	Pkt.
<i>Australis</i> . A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue flowers in June and July...\$0.25		\$0.05

BEGONIA (Semperflorens Type)

The following varieties are extensively used for bedding; they are also excellent for pot plants for winter flowering.

<i>Erfordia</i> . Delicate pink, one of the choicest.....	\$0.40	\$0.15
<i>Gromanii (New)</i> . Flowers red; foliage, bronze green. ...	.65	
<i>Queen of Carpet Bedders</i> . Of compact dwarf growth; flowers deep red .....	.50	.15
<i>Salmon Queen</i> . Flowers brilliant salmon red; foliage dark green, with reddish hue .....	.65	.20
<i>Vernon</i> . Deep red flowers and bronzy-red foliage.....	.30	.10
<i>Choice Mixed</i> . All sorts and varieties .....	.40	.10

BEGONIA, GRACILIS

<i>Gracilis Alba</i> . Pure white	\$0.40	\$0.15
<i>Gracilis Luminosa</i> . Deep red .....	.50	.20
<i>Gracilis Prima Donna</i> . Rose, shading to carmine.....	.65	.20
<i>Gracilis Rosea</i> . Light pink .....	.40	.15

BEGONIA, TUBEROUS ROOTED

These magnificent flowers are becoming very popular because they are of easy culture and extremely showy.

	Large Pkt.	Pkt.
<i>Double Choice Mixed</i>		\$0.50
<i>Single Choice Mixed</i>	\$0.65	.15

Ask for Cultural Leaflet No. 220 on the growing of Begonias

BELLIS PERENNIS See Daisy.**BOCCONIA (Plume Poppy)**

<i>Cordata</i> . A splendid hardy perennial, with glaucous green foliage and spikes 2 to 3 feet long of creamy white flowers; effective for single specimens or groups; 5 feet	\$0.20	\$0.05
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BOLTONIA (False Chamomile)

<i>Latisquama</i> . A showy hardy perennial, with daisy-like flowers; color, pink, tinged with lilac; 4 to 6 feet30	.10
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BROWALLIA

Elegant free flowering plants; blooms finely in the winter if the plants are lifted and cut back; 18 inches.

	Large Pkt.	Pkt.
<i>Elata Coerulea</i> . Sky-blue flowers	\$0.25	\$0.05
<i>Speciosa Major</i> . Large ultramarine blue flowers; desirable as a pot plant for winter and spring flowering. ....	.50	.10

CALCEOLARIA

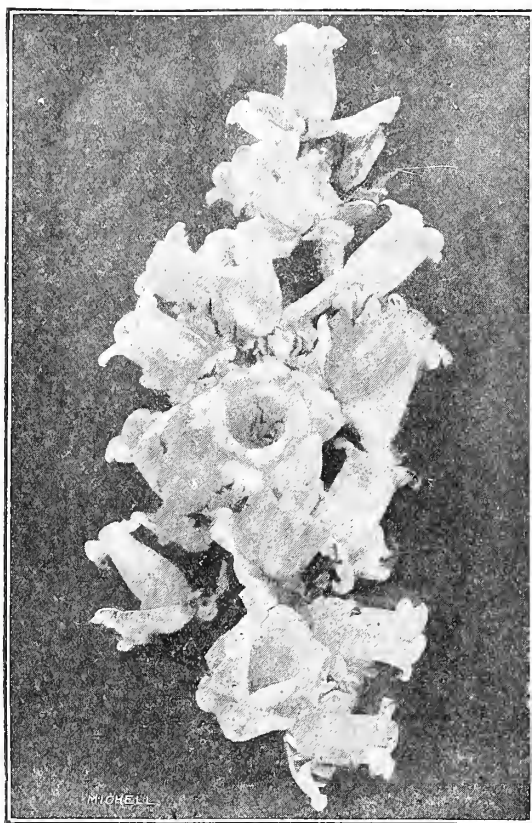
A favorite for decorating the greenhouse or conservatory. Our strains have a wide reputation as to large size, rich and varied colors of the flowers.

	Large Pkt.	Pkt.
<i>Hybrida Grandiflora, Tall Mixed</i> . Large flowering, rich, self-colored flowers saved from a choice collection; 18 inches	\$0.75	\$0.25
<i>Hybrida Grandiflora, Pumila Compacta</i> . Of dwarf, compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot .....	.75	.25
<i>Sutton's Perfection</i> . Choicest mixed. Original packet. ...		1.25

CALLIOPSIS (Coreopsis)

One of the finest hardy perennial plants, with large showy flowers produced in the greatest abundance from June till frost.

	Large Pkt.	Pkt.
<i>California Sunbeams</i> . Very large flowers beautifully formed; various shades of yellow and brown	oz., 90c.	\$0.20
<i>Lanceolata Grandiflora</i> . Single golden yellow flowers of graceful form; invaluable for cutting; flowers uninterruptedly the entire summer	oz., 50c.	.20

*Campanula or Bell Flower***CAMPANULA MEDIA** (Canterbury Bell)

Showy, hardy biennial growing about 3 feet high, with large bell-shaped flowers. Sow from June 1st till September 1st; after frost has set in protect with leaves and straw.

	Oz.	Large Pkt.	Pkt.
Single Blue	\$0.75	\$0.20	\$0.05
“ Pink .....	.75	.20	.05
“ White .....	.75	.20	.05
“ Mixed .....	.60	.20	.05
Double Mixed	¼ oz., 50c.	.30	.05

CAMPANULA CALYCANTHEMA

(Cup and Saucer)

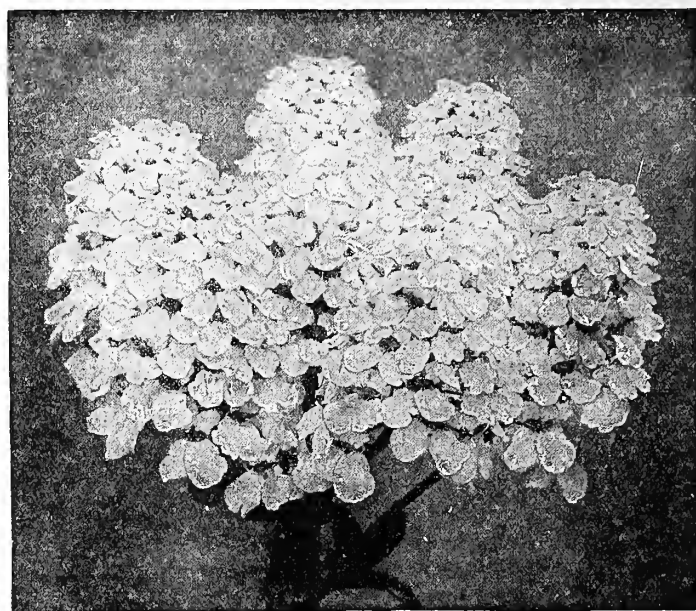
These produce beautiful, large single flowers, resembling a cup and saucer. Very effective either in the garden or grown in pots for conservatory or table decoration.

	Large Pkt.	Pkt.
Blue	\$0.40	\$0.10
Pink .....	.40	.10
White .....	.40	.10
Mixed	¼ oz., 60c.	.30 .10

CAMPANULAS OR BELLFLOWERS**PERENNIAL VARIETIES**

These are among our best known hardy perennials; the tall varieties are fine for cutting while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

	Large Pkt.	Pkt.
Carpatica, Blue (<i>Carpathian Hare Bell</i>). Free flowering; compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July....	\$0.25	\$0.05
Carpatica, Alba. Pure white .....	.25	.05
Persicifolia Grandiflora (<i>Peach Bells</i>). One of the finest of the hardy Bellflowers; spikes, 4 feet tall with blue bell-shaped flowers .....	.40	.15
Persicifolia Grandiflora, Alba. Pure white .....	.40	.15
Pyramidalis (<i>Chimney Bell Flower</i>). A stately plant either for garden or pot culture. Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed .....	.30	.05

*Michell's Giant White Candytuft***CANDYTUFT** (Iberis)

Splendid edging plants, flowering within six weeks after sowing; height, 1 foot. They are excellent for cutting.

	Oz.	Large Pkt.	Pkt.
Carmine. Deep scarlet	\$0.40	\$0.20	\$0.05
Crimson .....	.40	.20	.05
Empress. An excellent variety with long trusses of pure white flowers.....	.40	.20	.10
Lavender .....	.40	.20	.05
Little Prince. Very dwarf and compact with pure white flowers; excellent for edging....	.50	.20	.10
Michell's Giant White. The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing .....	.75	.20	.10
Pink .....	.50	.20	.05
Purple. Deep rich purple .....	.40	.20	.05
White Rocket. Long spikes .....	.25	...	.05
Choice Mixed. All colors .....			.25
Collection. One packet each, 6 varieties .....			.25
Sempervirens. Dwarf spring flowering perennial plants; ideal for the bulb border; flowers of glistening white; May; 1 foot .....	...	.50	.10

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer.

	Large Pkt.	Pkt.
Chabaud's Everblooming Mixed. Blooms in five months after being sown, and continues to flower in the greatest profusion indefinitely	\$0.50	\$0.15
Choice Mixed. Double border varieties; a good strain for outdoor culture, flowering the second season....	.50	.10
Early Vienna. Large double flowers in mixture.....	.40	.10

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected, they will survive an ordinary winter and bloom freely the following spring.

	Large Pkt.	Pkt.
Excelsior Mixed. Extra large flowers	\$0.40	\$0.15
Pink .....	.40	.10
Scarlet .....	.40	.10
White .....	.40	.10
Yellow .....	.40	.10
Choice Mixed	oz., \$1.50	.25 .10

Ask for Cultural Leaflet No. 213 on the growing of Carnations from seed.

CERASTIUM (Snow in Summer)

	Large Pkt.	Pkt.
Tomentosum. Dwarf, white-leaved edging plant; flowers white; 4 inches	\$0.40	\$0.15

CENTAUREAS**CENTAUREA CYANUS** (Cornflower or Bachelor's Button)

Also known as Blue Bottle, Ragged Sailor, Bluet, etc.; an old favorite garden annual, flowering freely in almost any situation; excellent for cutting; 2 feet.

	Oz.	Large Pkt.	Pkt.
Double Blue. Large flowering	\$1.00	\$0.20	\$0.10
Emperor William. Deep blue .....	.40	.20	.05
Pink .....	.40	.20	.05
White .....	.40	.20	.05
Choice Mixed .....	.35	.20	.05
Double Mixed .....	.50	.20	.05

CENTAUREA IMPERIALIS

(Giant Cornflower, or Sweet Sultan)

Gigantic, beautiful, sweet-scented flowers borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height, 2 to 3 feet.

	Oz.	Large Pkt.	Pkt.
Deep Rose	\$1.00	\$0.25	\$0.10
Lavender	1.00	.25	.10
Lilac	1.00	.25	.10
Brilliant Pink	1.00	.25	.10
Purple	1.00	.25	.10
White	1.00	.25	.10
Choice Mixed .....	.75	.20	.10
Collection. One packet each above 6 colors....	...	...	.50

NEW GIANT FLOWERED CENTAUREA

Magnificent flowers produced on long, stout stems; excellent for cutting.

	Large Pkt.	Pkt.
Bride. Pure white	\$0.40	\$0.10
Bridegroom. Purplish mauve .....	.40	.10
Honeymoon. Golden yellow .....	.40	.10

CENTAUREA (Perennial)

Large feathery flowers; splendid for cutting; blooms from July to September.

	Large Pkt.	Pkt.
Montana. Blue; 1 foot	\$0.30	\$0.10



Shasta Daisy, Alaska

CHRYSANTHEMUM (Perennial)

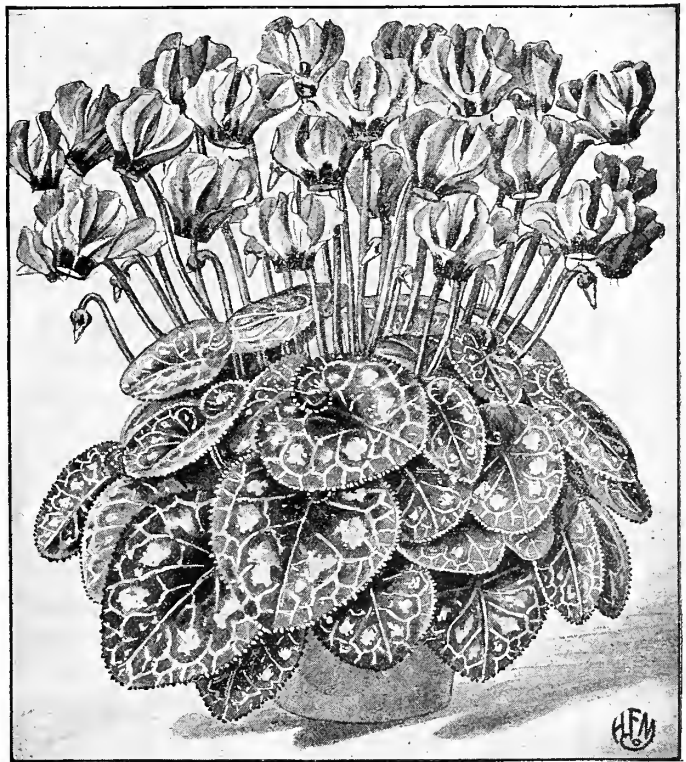
	Large Pkt.	Pkt.
Frutescens Grandiflorum (<i>Paris Daisy or Marguerite</i>). Single flowers, white with yellow centre.....	\$0.20	\$0.10
King Edward VII. Flowers extra large; pure white and of perfect form .....	.25	.10
Mrs. C. Lothian Bell. This is one of the largest varieties of this class of plants; flowers are of the purest white .....	.50	.15
Shasta Daisy, "Alaska." Flowers are of extra large size, pure glistening white and borne on long stems. ....	.50	.20

CINERARIA

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our **Grandiflora Prize Strain** cannot be surpassed; immense trusses of large flowers, often measuring 4 inches across.

	Large Pkt.	Pkt.
Grandiflora Prize Dwarf. Mixed colors; plants of dwarf habit	\$0.75	\$0.35
Grandiflora Prize Medium Tall. Mixed colors; desirable as a decorative plant .....	.75	.35
Hybrida. Choice mixed colors .....	.65	.25
Matador. Large bright red flowers .....	.75	.35
Radiata Hybrida. New varieties of the Star Cineraria in a wide range of colors and shades.....	.75	.20
Stellata (<i>Sutton's</i>). Medium sized star-like flowers. Original pkt. ....	...	1.00
Stellata Hybrida. Of graceful and vigorous habit, producing a profusion of elegant flowers .....	.75	.25
Sutton's Superb. Mixed colors. Original pkt.....	...	1.00

Ask for Cultural Leaflet No. 203 on the growing of Cinerarias.

CLEMATIS, See next page

Michell's "Distinctive" Giant Cyclamen

CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

MICHELL'S DISTINCTIVE GIANT

Grown for us in England by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

	100 Seeds	Pkt.
Duke of Connaught. Crimson	\$2.00	\$0.50
Excelsior. White with red eye	2.00	.50
Grandiflora Alba. White	2.00	.50
Princess of Wales. Pink	2.00	.50
Salmon Queen. Salmon pink	2.00	.50
St. George. Flowers a beautiful salmon color; leaves margined with silver	2.00	.50
Mixed. All colors	1.50	.40

VARIOUS CYCLAMEN

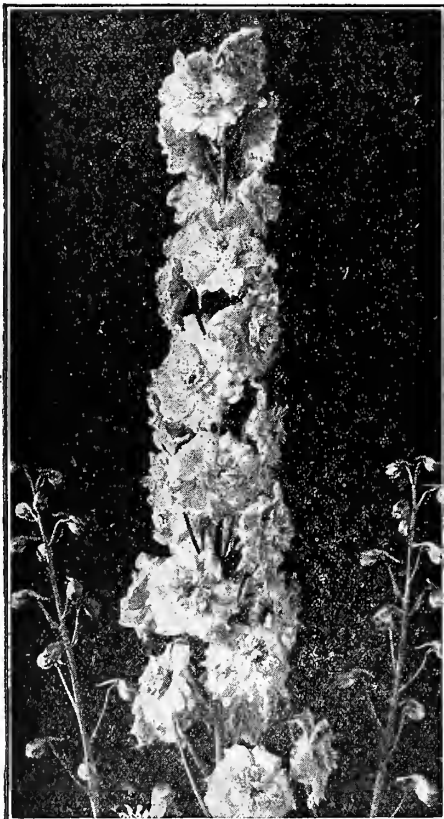
Mrs. Buckston. Frilled and waved flowers, color delicate salmon. Original pkt. ....	.75
Papilio (<i>Butterfly</i>). The edges of the flowers are beautifully fringed, or waved; mixed colors.....	1.75 .40
Persicum. Choice mixed	1.00 .10
Sutton's Giant. Choicest mixed	Original pkt. 1.00

Ask for Cultural Leaflet No. 215 on the growing of Cyclamen.

DAISY, ENGLISH DOUBLE (*Bellis Perennis*)

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and they will flower the following spring.

	Large Pkt.	Pkt.
Longfellow. Large double pink flowers	\$0.50	\$0.10
Monstrosa, Pink. These surpass all strains of this popular plant in growth and in the abundance of extra large, perfectly double flowers .....	.65	.25
Monstrosa, White .....	.65	.25
Monstrosa, Mixed .....	.65	.25
Snowball. Purest white; large and double .....	.50	.10
Double Mixed. Finest quality .....	.40	.10



Delphinium-Kelway's Giant

DELPHINIUM (Hardy Perennial Larkspur)

One of the finest hardy perennials; very easily grown from seed. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded, and new shoots will produce flower heads successfully.

	Large Pkt.	Pkt.
Belladonna. One of the freest and most continuously blooming varieties; immense spikes of clear turquoise blue flowers; 5 feet	\$0.65	\$0.25
Chinense Grandiflorum. A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet .....	.90c.	.25 .05
Chinense Grandiflorum Album. Pure white flowers .....	.90c.	.25 .05
Elatum (<i>Bee Larkspur</i>). Rich blue; 4 feet	\$1.75	.30 .10
Formosum. Deep blue; 3 feet	\$1.50	.30 .10
Formosum Coelestinum. Sky blue .....	.50	.15
Kelway's Giant. An extra fine strain of strong, vigorous growth, with immense spikes of extra large flowers; many shades of blue; 5 to 7 feet .....	.50	.15
Rev. E. Lascelles. An extra fine variety; large double, deep blue flowers with white centre .....	.65	.15
Hybridum Mixed. Very choice; 4 feet .....	.75c.	.20 .05

Ask for Cultural Leaflet No. 212 on the growing of Hardy Perennials from seed.

DIANTHUS (Hardy Garden Pinks)

	Large Pkt.	Pkt.
Clove Scented. Double and semi-double varieties, in beautiful colors; fragrant	\$0.40	\$0.10
Double Scotch. Choice mixed colors .....	.40	.15
Latifolius Atrococcineus Fl. Pl. (<i>Everblooming Hybrid Sweet William</i>). Double scarlet .....	.30	.10
Pheasant's Eye. Single white fringed flowers with dark centre .....	.75c.	.20 .05

DICTAMNUS (Gas Plant)

Fraxinella. Showy bushy plants 2½ feet high; purple red flowers; perennial; June and July20	.05
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Digitalis (Foxglove)

DIGITALIS (Foxglove)

Ornamental hardy plants; long spikes of beautiful tubular-shaped flowers; blooms during June and July; 4 to 5 feet.

	Oz.	Large Pkt.	Pkt.
Gloxiniaeflora, Pink	\$1.00	\$0.25	\$0.10
" Purple	1.00	.25	.10
" White	1.00	.25	.10
" Mixed .....	.90	.20	.05
Grandiflora. Yellow .....	.90	.20	.05
Monstrosa (<i>Mammoth Foxglove</i>). The tall spikes are surmounted by one monstrous flower; all colors mixed	1.50	.30	.10

DRACENA

Ornamental plants for vases or conservatory decoration.		
Australis. Broad green leaves	\$0.20	.10
Indivisa. Narrow green leaves .....	.50c.	.20 .10

EUPATORIUM

A fine hardy perennial, which will grow and thrive in almost any situation; excellent for cutting; 2 feet.

Fraseri. Feathery white flowers	\$0.20	\$0.10
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FERNS

Adiantum (<i>Maiden Hair</i>). Mixed	\$0.65	\$0.15
Pteris Varieties. Mixed65	.15
All Sorts Mixed. Choice collection65	.15

We can also furnish all other varieties of fern spores.

GENTIANA (Blue Gentian)

Acaulis. A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations	\$0.30	\$0.10
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GERANIUM

	100 Seeds	Pkt.
Apple Scented. Highly esteemed on account of its fern-like, fragrant foliage; 1 foot	\$0.40	\$0.10
Pelargonium (<i>Lady Washington</i>). Seed saved from the largest flowered show varieties	2.00	.25
Zonale Mixed. A superb strain of the largest and finest varieties; 1 to 2 feet	Large Pkt.	Pkt.
	\$0.30	\$0.10

*Gaillardia, Grandiflora***GAILLARDIA** (Blanket Flower)

One of the most showy of hardy perennials, and thriving in almost any position or soil; spikes of gorgeously colored flowers of immense size. Excellent for cutting.

	Large Pkt.	Pkt.
Grandiflora Compacta. A compact variety; choice mixed colors; 12 to 15 inches	\$0.20	\$0.10
Grandiflora Sanguinea. Blood red flowers; 2 feet ...	.25	.15
Grandiflora Semi-Double. Mixed .....	.25	.10
Grandiflora Superba. Splendid mixed, 2 feet, oz., 75c.	.20	.10

GERBERA (Transvaal Daisy)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting, the flowers retaining their freshness for a long time.

	100 Seeds	Pkt.
Jamesoni Gigantea. Extra large flowers of brightest scarlet	\$1.25	\$0.25
Jamesoni Hybrida. These hybrids include a wonderful range of brilliant colors and shades	1.00	.25

GEUM

	Large Pkt.	Pkt.
Atrosanguineum Fl. Pl. A beautiful hardy perennial, bearing large, showy, double, dark crimson flowers all through the summer; fine for bouquets; 1½ feet.	\$0.25	\$0.10

GLOXINIA

Hybrida Grandiflora. The best strain in existence, embracing all the choicest self-colored and tigered and spotted flowers .....	.75	.25

GOLDEN ROD (*Solidago Canadensis*)

A well-known hardy perennial; deep golden-yellow flowers; 2 feet .....	.20	.05

GYPSOPHILA (Baby's Breath)

Graceful, free-flowering plants succeeding in any garden soil; flowers are produced in abundance in loose panicles, and are excellent for mixing with other cut flowers.

	Large Pkt.	Pkt.
Paniculata. Hardy perennial; flowers in graceful sprays of white; 2 feet	oz., 75c. .20	.05
Paniculata, Fl. Pl. Double white .....		.20

HELENIUM (Sneeze-Wort)

Autumnale Superbum. An elegant hardy perennial producing large heads of golden yellow flowers; 5 to 6 feet .....	.30	.10

HELIOPSIS (Orange Sunflower)

Large Pkt. Pkt.

Pitcheriana. A handsome hardy perennial; deep orange yellow flowers; excellent for cutting; 3 to 4 feet. \$0.20 \$0.10

HELIOTROPE

A well-known and highly prized plant on account of the delightful fragrance of the flowers. Excellent for pots, or for bedding; 18 inches.

Large Pkt. Pkt.

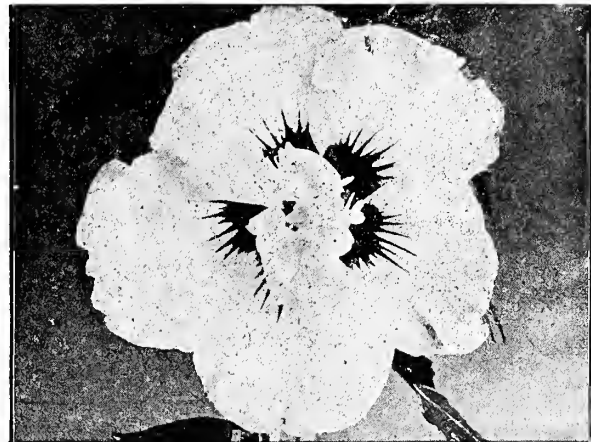
Lemoine's Giant. Produces a profusion of flowers nearly double the size of the old sort; mixed colors. \$0.40 \$0.15

Regal. Of dwarf compact growth; immense flowers; all shades50 .15

Choice Mixed. Of many varieties30 .10

HEUCHERA (Alum Root)

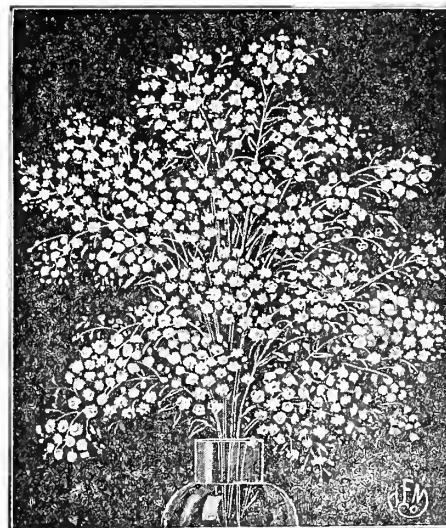
Sanguinea. Hardy perennial; spikes of vivid crimson flowers; excellent for cutting; 1 foot50 .10

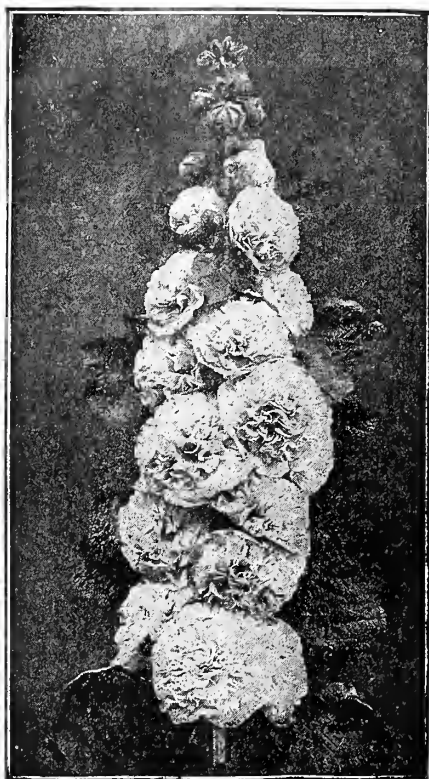
*New Giant Hibiscus***HIBISCUS** (Marshmallow)

Showy ornamental perennial plants for mixed beds or shrubbery borders, with large and beautifully colored flowers.

Large Pkt. Pkt.

	Large Pkt.	Pkt.
Crimson Eye. Large white flowers with velvety crimson centre; 4 feet	\$0.20	\$0.10
Moscheutos. Large, rosy red flowers with dark centre. ....	.20	.05
New Giant (Mallow Marvel). An improved strain with gigantic single flowers, in many shades of red, pink, purple and white, mixed .....	.25	.15

*Gypsophila Paniculata Fl. Pl.*



Hollyhocks

HOLLYHOCK

One of the most popular and desirable hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

	Oz.	Large Pkt.	Pkt.
Allegheny. Semi-double, mammoth flowers; edges fringed and lacinated; mixed	\$1.00	\$0.25	\$0.10
Chater's Double, Maroon	1.25	.25	.10
" " Pink	1.25	.25	.10
" " Red	1.25	.25	.10
" " Salmon	1.25	.25	.10
" " White	1.25	.25	.10
" " Yellow	1.25	.25	.10
" " Mixed	1.00	.25	.10
Collection, one packet each of above 6 colors..	...	...	.50
Double Ever-blooming Mixed. Colors range from white to deep black, yellow, pink, red and purple	1.25	.30	.15
Single Ever-blooming Mixed	1.00	.25	.10
Single Mixed .....	.90	.20	.10

IBERIS (See Candytuft)**IMPATIENS** (Sultan's Balsam)

Excellent plants for the house or greenhouse; flowering profusely and almost continuously.

	Large Pkt.	Pkt.
Holstii. Resembles Impatiens Sultani in leaf and shape of bloom, but surpassing it in quicker growth and its larger and brighter colored flowers	\$0.50	\$0.20
Holstii, "New Hybrids." Many rare and beautiful shades .....	.50	.15
Sultani. Brilliant rosy-scarlet .....	.50	.15
Sultani Hybrida. Colors ranging from pale pink to dark crimson .....	.50	.15

INCARVILLEA (Hardy Gloxinia)

Delavayi. Deeply cut hairy foliage with stout stalks terminated with 3 to 5 most beautiful pink, gloxinia-like flowers; May; 15 inches50	.25
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IRIS (Flowering Flag)

Kaempferi (Japanese Iris). Perennial; very showy; blooms the second year from seed; mixed colors....	.20	.10
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KENILWORTH IVY (*Linaria Cymbalaria*)

A charming, neat trailing plant, for baskets, vases, pots, etc.; flowers violet	Large Pkt. \$0.30	Pkt. \$0.05
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LATHYRUS LATIFOLIUS

(Everlasting or Perennial Pea)

Free flowering, hardy perennial climber with clusters of flowers resembling Sweet Peas; excellent for cutting.

	Oz.	Large Pkt.	Pkt.
Crimson. Brilliant	\$0.75	\$0.20	\$0.10
Pink Beauty. Bright rosy-pink	1.00	.25	.10
White .....	.90	.20	.10
Choice Mixed. All colors .....	.60	.20	.05

LAVENDER (*Lavendula Vera*)

Well-known perennial plant bearing long spikes of fragrant blue flowers; 18 inches	Large Pkt. \$0.25	Pkt. \$0.05
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LILY OF THE VALLEY (*Convallaria Majalis*)

Lovely plants, bearing pure white, fragrant, bell-shaped flowers early in spring40	.10
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LOBELIA

Cardinalis (<i>Cardinal Flower</i>). Hardy perennial; tall spikes of bright scarlet flowers, very showy50	.10
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Lupinus Polyphyllus (Perennial Lupin)

LUPINUS (Annual Varieties)

Seeds sown in greenhouse during the late summer and fall months will produce an abundance of bloom for winter.

	Oz.	Large Pkt.	Pkt.
Blue	\$0.50	\$0.20	\$0.05
Pink .....	.50	.20	.05
Scarlet, White Tipped .....	.50	.20	.05
White .....	.50	.20	.05
Mixed. Annual varieties .....	.40	.20	.05

LUPINUS (Perennial Varieties)

Polyphyllus, Blue .....	.20	.05
" Roseus. Pink .....	.25	.10
" Somerset. Yellow .....	.40	.15
" Mixed .....	.40c.	.20

Ask for Cultural Leaflet No. 217 on the culture of Lupinus.

LYTHRUM

Roseum Superbum (<i>Rose Loose Strife</i>). A pretty hardy perennial; plants grow 3 feet high and produce spikes of rosy flowers from July to September..	.20	.10
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LYCHNIS

One of the finest hardy perennials; of easy culture; excellent for massing in large beds or borders.

	Large Pkt.	Pkt.
Arkwrightii (<i>New</i>). A cross between <i>Lychnis Chalcidonica</i> and <i>Haageana</i> . Many shades in orange, pink, cream, scarlet, to dark maroon in mixture		\$0.25
Chalcidonica (<i>Rose Cumpion</i>). Fine scarlet cross-like flowers; 2 feet; July .....	.20	.05
Haageana . Brilliant, large, orange, scarlet, pink and crimson flowers, mixed; 1 foot; July .....	.50	.10



Mignonette, Michell's Colossal

MIGNONETTE

A well-known and popular annual, producing very fragrant flowers; excellent for cutting. Can be successfully grown in pots for winter and early spring flowering.

	Large Pkt.	Pkt.
Allen's Defiance . Spikes invariably attain a height of 12 to 15 inches; deliciously fragrant .....	.60c.	\$0.20
Bismarck . Compact plants of strong growth; stout spikes of large flowers .....	.90c.	.25
Golden Machet . Large spikes of golden yellow flowers .....	.50c.	.20
Goliath . Of strong growth, with immense trusses of brilliant red flowers .....	.40c.	.20
Machet . Large reddish tinted, sweet scented flowers .....	.40c.	.20
Michell's Colossal . Produces in great profusion, immense flower spikes often measuring 18 inches in length; extremely fragrant .....	.50	.15
Miles' Spiral . Flowers whitish .....	.40c.	.20
Parson's White . Fragrant white flowers .....	.50c.	.20
Sutton's Giant . Reddish buff. Original pkts. ....	.40	.05
Sweet Scented . The popular garden sort. ....	.20c.	.05

Ask for Cultural Leaflet No. 204 on the growing of Mignonette.

MUSA ENSETE (Abyssinian Banana)

A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in hotbed or bottom heat in greenhouse. Per 10 seeds, 30c.; 60c. per 25 seeds.

PASSIFLORA (Passion Flower)

	Large Pkt.	Pkt.
Mixed . Ornamental climbing plants for the greenhouse or the garden, producing showy flowers in profusion	\$0.25	\$0.10



Myosotis-Alpestris Victoria

MYOSOTIS (Forget-Me-Not)

Neat and beautiful little plants, with star-shaped flowers; very effective when grown in masses. Perennials and hardy if given slight protection through the winter.

	Large Pkt.	Pkt.
Alpestris Victoria . Of bushy habit; bearing large bright blue flowers; very fine; 6 inches	\$0.30	\$0.10
Dissitiflora . Deep green foliage and attractive deep blue flowers .....	.50	.10
Eliza Fanrobert . Of strong growth, with clusters of large, bright blue flowers; 10 inches .....	.30	.10
Grandiflora Alba . Large white flowers; 8 inches ....	.30	.10
Grandiflora Rosea . Large pink flowers; 8 inches ....	.30	.10
Palustris . The true Forget-Me-Not; bright blue flowers; 8 inches .....	.50	.10
Palustris Semperflorens . Dwarf; blooms the entire season; deep blue .....	.50	.10
Royal Blue . This variety belongs to the upright pillar-shaped section; large deep blue flowers; 12 inches .....	.40	.10
Ruth Fischer . Plant of neat, compact habit; flowers extra large and of a lovely sky blue .....	.65	.25
Choice Mixed .....	.20	.05

PANSY (See next page.)**PENTSTEMON** (Beard Tongue)

A perennial plant producing large spikes of flowers.		
Barbatus Torreyi . Spikes of brilliant coral red, very effective; 3 to 4 feet	\$0.30	\$0.10
Sensation . Large spikes of gloxinia-like flowers of brilliant colors; 2 feet; requires protection .....	.40	.15
Mixed . Choice colors; 3 feet .....	.20	.05

HARDY PHLOX

Decussata . Plants 2 feet high; flowers in all bright colors; sow seeds late in fall and they will germinate in the spring40	.10
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PHYSOSTEGIA (False Dragon Head)

A pretty hardy perennial, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.		
Virginia . Pink	\$0.25	\$0.10
" Alba . White .....	.30	.10

PLATYCODON (Chinese Bell Flower)

A very desirable perennial; 2 to 3 feet.		
Grandiflorum , Blue	\$0.30	\$0.05
Grandiflorum , White .....	.30	.05
Japonicus Fl. Pl. (Double Japanese Bell Flower). Large, glossy, deep blue flowers. ....	.50	.15

POLYANTHUS (Primula Elatior)

Gold Laced . Flowers of brilliant colors, with distinct yellow edge .....	.50	.15
Double Mixed . Beautiful colors .....	.65	.15
English Mixed . All colors .....	.30	.10



Oriental Poppy

POPPY (Perennial)

Too much cannot be said of this class of Poppies, as for general effectiveness and brilliancy of display they are unequalled.

	Large Pkt.	Pkt.
Giant Scarlet (<i>Bracteatum</i>). Large flowers; 3 feet..	\$0.20	\$0.10
Iceland (<i>Nudicaule</i>). White .....	.30	.10
" Yellow .....	.30	.10
" Double Mixed .....	.30	.10
" Single Mixed .....	.20	.10
Oriental . Extra large flowers; deep scarlet .....	.20	.10
" Beauty of Livermore . Crimson with black blotch .....	.50	.10
" Mrs. Perry . Rich salmon pink .....	.50	.10
" Hybrids . Beautiful flowers of large size, mixed colors	1/4 oz., 50c.	.30

PRIMULA**FRINGED CHINESE PRIMROSE**

Our strains are unsurpassed and have won many first prizes.

	Large Pkt.	Pkt.
Alba Magnifica . White flowers with yellow eye	\$0.75	\$0.40
Chiswick Red . Brilliant red .....	.75	.40
Duchess . Large; white with zone of rosy carmine, yellow eye .....	.75	.40
Holborn Blue . A beautiful shade .....	.75	.40
Kermesina Splendens . Crimson .....	.75	.40
Pink Pearl (New). Brilliant pink .....	.50	.50
Rosy Morn . Delicate pink .....	.75	.40
Stellata (<i>Sutton's</i>). Excellent pot plant; mixed....		1.00
Michell's Prize Mixture . This mixture contains only the finest sorts selected from the best strains.....	.75	.25

PRIMULA OBCONICA GIGANTEA

A great improvement over the old type; flowers much larger, and produced in greater abundance.

	Large Pkt.	Pkt.
Alba . White	\$0.65	\$0.20
Kermesina . Crimson .....	.65	.20
Lilacina . Pale lilac .....	.65	.20
Rosea . Pink .....	.65	.20
Hybrida Mixed .....	.65	.20

PRIMULA OBCONICA GRANDIFLORA

Compacta . Compact plants with rosy lilac flowers..	.65	.25
Fimbriata . Flowers fringed; mixed colors .....	.65	.15
Vesuvius . Deep crimson .....	.65	.25



Primula Malacoides Superba

PRIMULA—Various Sorts

	Large Pkt.	Pkt.
Buttercup . Yellow flowers; fine for pots	\$0.65	\$0.25
Kewensis (<i>Verbena Scented Yellow Primrose</i>). Spikes each 12 to 18 inches long; color, soft yellow .....	.65	.25
Malacoides . Resembles Primula Forbesi; flowers larger; if grown in greenhouse will bloom in four to five months after sowing; light lilac .....	.65	.20
Malacoides Alba . Flowers pure white .....	.65	.20
Malacoides Alba Plena . A new variety with double white flowers .....		.75
Malacoides Rosea . Light rose to carmine rose .....	.65	.20
Malacoides Superba . Large flowers of a deep rosy pink color .....		.25
Veris (<i>English Cowslip</i>). Hardy perennial; fragrant; mixed .....	.30	.10
Vulgaris (<i>English Primrose</i>). The common hardy English variety; canary yellow .....	.40	.10

Ask for Cultural Leaflet No. 206 on the growing of Primulas.

PUERARIA THUNBERGIANA

(Kudzu Vine)

	Large Pkt.	Pkt.
One of the fastest growing hardy climbing plants, grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms	\$0.20	\$0.10

PYRETHRUM (Perennial)

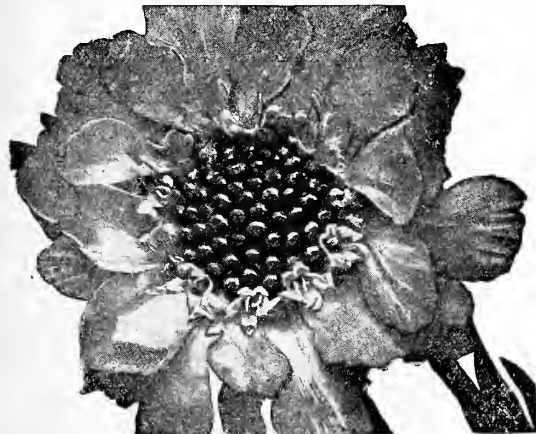
Roseum . Flowers bright rose color; July; 2 feet	.50	.10
Uliginosum . Large, single white flowers; September; 3 to 4 feet .....	.50	.10
Hybridum Single Mixed . Colors ranging from white to light pink and deep red, with bright yellow centres; July; 2 feet .....	.40	.10
Hybridum Double Mixed .....	.65	.25

RUDBECKIA (Coneflower)

	Large Pkt.	Pkt.
Newmani. Large yellow flowers with black centre; perennial; 2 feet; all summer	\$0.40	\$0.10
Purpurea (<i>Giant Purple Cone Flower</i>). Hardy perennial; reddish purple flowers, with dark brown disc; 3 feet .....	.30	.10

SALVIA

Azarea Grandiflora. Hardy perennial producing during August and September spikes of pretty sky-blue flowers; 2 feet .....	.40	.10
Farinacea. A perennial variety, blooming from July till frost; long spikes of light blue flowers; 2 feet..	.30	.10

*Scabiosa Caucasica***SCABIOSA**

Handsome perennial border plants, flowering the entire season. Excellent for cutting.	Large Pkt.	Pkt.
Caucasica. Lilac blue	\$0.50	\$0.10
Caucasica Alba. Pure white .....	.50	.10
Japonica. Lavender blue .....	.20	.10

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals; of easy culture in any good garden soil and bearing a profusion of pretty butterfly-like flowers of various colors, closely resembling some species of Orchids; they are also useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

	Large Pkt.	Pkt.
Grandiflorus Maximus. Extra large flowers of many colors and shades	\$0.25	
Hybridus Grandiflorus. Forms compact pyramidal plants covered with flowers of many shades of orchid-like appearance; 12 inches	\$0.20	.10
Pink Beauty. A beautiful shade of rose pink; a pure self without any markings; very effective as pot plants for grouping .....	.50	
Snowflake (New). Of compact habit; flowers pure white, beautifully fringed .....	.30	
Wisetonensis. A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre; 1½ feet .....	.40	.20
Mixed. Various colors20	.05

SHAMROCK

True Irish. Small leaved variety25	.10
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SHASTA DAISY. See *Chrysanthemum*

SMILAX

A greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm water before sowing; 10 feet02, 60c.	\$0.20 \$0.10
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SNAPDRAGON. See *Antirrhinum*

STATICE (Sea Lavender)

Latifolia. Splendid hardy perennial plants, either for the border or rockery, producing all summer panicles of small flowers, which can be dried and used for winter bouquets. Large deep-blue flowers; 2 feet..	\$0.30	\$0.10
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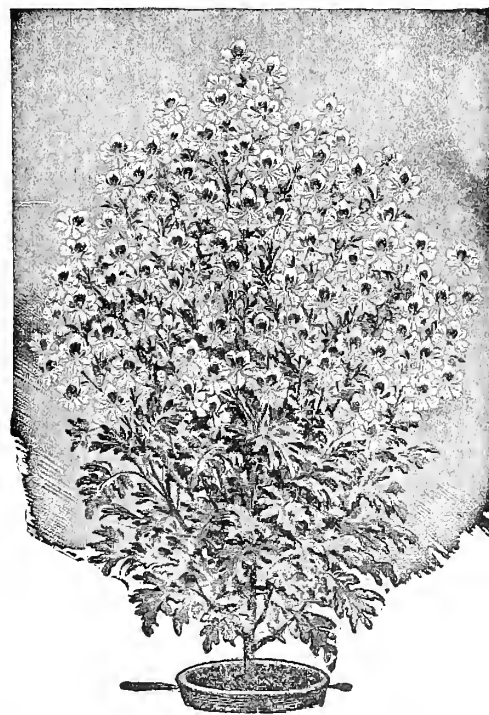
*Stokesia Cyanea***STOKESIA** (Cornflower or Stokes' Aster)

A very desirable hardy perennial plant, bearing freely from July to October handsome Centaurea-like blossoms; 1½ to 2 feet.

	Large Pkt.	Pkt.
Cyanea. Light blue	\$0.30	\$0.10
" Alba. Pure white .....	.30	.10

SUNFLOWER (*Helianthus*)

Showy perennials blooming all summer.		
Golden Bouquet. Single yellow flowers; 5 feet .....	.30	.10
Choice Mixed. Single flowering .....	.40	.10

*Schizanthus—Wisetonensis*

MICHELL'S "DISTINCTIVE" STOCKS

The stock is one of the most popular and highly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
Blood Red	....\$0.40	\$0.15	Rose Pink	....\$0.40	\$0.15
Dark Blue	.... .40	.15	White	..... .40	.15
Flesh Pink	.... .40	.15	Mixed	..... .40	.15
Light Blue	.... .40	.15			

LARGE FLOWERED DWARF TEN-WEEK STOCK

	Large Pkt.	Pkt.		Large Pkt.	Pkt.
Blood Red	....\$0.30	\$0.10	White	.....\$0.30	\$0.10
Light Blue	.... .30	.10	Yellow	..... .30	.10
Pink	..... .30	.10	Mixed	..... .30	.10
Purple	..... .30	.10			

VARIOUS STOCKS

	Large Pkt.	Pkt.
Bismarck. A splendid sort for cutting; immense pure white flowers are regularly lined along a colossal spike (often 30 inches in length, with many side shoots)	.....\$0.40	\$0.15
Brompton or Winter. Fine for forcing under glass or early summer flowering outdoors	..... .40	.10
Princess Alice (<i>Cut-and-Come-Again</i>). Branching plants with double pure flowers; fine for cutting	..... .40	.10
Wall-flower Leaved. Glossy deep green foliage with flowers in all shades	..... .40	.10

Ask for Cultural Leaflet No. 211 on the growing of Stocks



Single Sweet William

SWEET WILLIAM (*Dianthus Barbatus*)

This is one of the finest of our hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

	Oz.	Large Pkt.	Pkt.
Auricula Flowered. A beautiful class of "eyed" single varieties, all colors mixed	.....\$0.75	\$0.20	\$0.05
Pink Beauty. An exceedingly pretty variety with beautiful salmon pink flowers	.... .40	.15	
Scarlet Beauty. Rich deep scarlet variety	.... .40	.15	
Single Crimson	.... .60	.20	.05
"Velvety Maroon	.... .60	.20	.05
"White	.... .60	.20	.05
"Mixed. All colors	.... .40	.20	.05
Double Mixed	..... .90	.20	.10



Michell's "Nice" Stock

MICHELL'S "NICE" STOCK

An early flowering strain; remarkably free bloomer, producing an abundance of large double fragrant flowers on a single plant; fine for garden bedding or cutting.

Abundance. Of dwarf spreading habit, bearing a profusion of flowers; color, a beautiful shade of carmine rose. Pkt., 15c.; 40c. large pkt.

Beauty of Nice. Delicate soft pink. Pkt., 15c.; 40c. large pkt.

Crimson King. Brilliant fiery crimson. Pkt., 15c.; 40c. large pkt.

La Brillante. Rich, brilliant crimson. Pkt., 15c.; 40c. large pkt.

Midsummer Night. Deep dark violet. Pkt., 15c.; 40c. large pkt.

Mme. Rivoire. Early flowering; color, pure white. Pkt., 15c.; 40c. large pkt.

Queen Alexandra. Delicate lavender. Pkt., 15c.; 40c. large pkt.

Victoria. Pure white. Pkt., 15c.; 40c. large pkt.

Choice Mixed. All colors. Pkt., 15c.; 40c. large pkt.

Abilene, Kan.

Gentlemen: Our memorial crop of Stocks (seed purchased from your firm) were as fine as any we have ever seen.

Respectfully yours,
MILLER BROS.

SWEET PEAS See next page

SWEET ROCKET (*Hesperis*)

Mixed. Favorite hardy perennials; very effective in the garden border; spikes of showy fragrant white and purple flowers; 2 to 3 feet\$0.20 \$0.05

VALERIANA (*Garden Heliotrope*)

Showy hardy perennial border plants with fragrant flowers; 2 to 3 feet.

Mixed\$0.20 \$0.05

VERONICA (*Speedwell*)

An elegant hardy perennial plant of easy culture and free-flowing habit; of value as a cut flower or for garden effect. Plants grow bushy and produce long spikes of flowers.

Spicata. Long spikes of bright blue flowers, 18 inches\$0.30 \$0.10

MICHELL'S SPENCER OR ORCHID SWEET PEAS 25

For early blooming out-doors we recommend sowing seed the latter part of November and covering with 2 or 3 inches of leaves or litter; these will bloom the following year much earlier than spring-sown seed.

Pkt. Oz. ¼ lb. Lb.

BLUE AND PURPLE

Captain of the Blues Spencer. Standard purple; wings blue	\$0.10	\$0.30	\$0.85	\$3.00
Lord Nelson Spencer. Navy blue .....	.10	.30	.85	3.00
Royal Purple. Rich purple .....	.10	.35	1.00	3.50
Wedgwood. A lovely self-blue .....	.10	.35	1.00	3.50

DEEP PINK OR ROSE

Apple Blossom Spencer. Rose and pink ..	.10	.30	.85	3.00
Dainty Spencer. Rose pink on white ground .....	.10	.30	.85	3.00
Edith Taylor. Bright salmon rose .....	.10	.30	.85	3.00
George Herbert. Rose carmine .....	.10	.30	.85	3.00
Rosabelle. Giant rose .....	.10	.30	.85	3.00

LAVENDER

Asta Ohn Spencer. Rich lavender .....	.10	.30	.85	3.00
Flora Norton Spencer. Light lavender..	.10	.30	.85	3.00
Florence Nightingale. The largest and best lavender .....	.10	.35	1.00	3.50
Frank Dolby. Light lavender .....	.10	.20	.60	2.00
Lavender George Herbert. Bluish lavender ..	.10	.30	.85	3.00
Margaret Madison Improved. Light lavender or azure blue .....	.10	.40	1.25	4.00
R. F. Felton. Flowers large; soft lavender ..	.10	.40	1.25	4.00

LIGHT PINK

Blanche Ferry Spencer. Large flowers; pink and white .....	.10	.30	.85	3.00
Countess Spencer. A lovely clear pink, shading deeper at the edge .....	.10	.30	.85	3.00
Elfrida Pearson. Light pink, margined with darker pink .....	.10	.35	1.00	3.50
Florence Morse Spencer. Delicate blush, with pink margin .....	.10	.30	.85	3.00
Gladys Unwin. Delicate pink .....	.10	.20	.60	2.00
Hereules. Giant pure pink .....	.10	.35	1.00	3.50
Lovely Spencer. Deep pink, shading to blush .....	.10	.35	1.00	3.50
Miriam Beaver. Light apricot and buff..	.10	.40	1.25	4.00
Mrs. Cuthbertson. Standard rose pink; wings bluish white .....	.10	.30	.85	3.00

MAROON

King Manoel. Rich maroon .....	.10	.35	1.00	3.50
Marks Tey. Purplish maroon .....	.10	.35	1.00	3.50
Nubian. Maroon or deep chocolate self..	.10	.35	1.00	3.50
Othello Spencer. Deep maroon .....	.10	.30	.85	3.00

ORANGE AND SALMON

Decorator. Rose, suffused cerise and orange .....	.10	.30	.85	3.00
Helen Lewis. Orange pink .....	.10	.30	.85	3.00
Hilary Christie. Standard salmon orange; wings rosy salmon .....	.10	.40	1.25	4.25
Illuminator. Rich salmon pink .....	.10	.35	1.00	3.50
Margaret Atlee. Light salmon pink on cream ground .....	.10	.30	.85	3.00
Mrs. Hugh Dickson. Salmon pink on cream ground .....	.10	.30	.85	3.00
Stirling Stent. Deep salmon, suffused with orange .....	.10	.30	.85	3.00

PRIMROSE OR LIGHT YELLOW

Dobbie's Cream. Deep cream or primrose yellow .....	.10	.30	.85	3.00
New Buttercup. Large; deep cream .....	.10	.75	2.25	
Primrose Spencer. Light yellow .....	.10	.30	.85	3.00

SCARLET

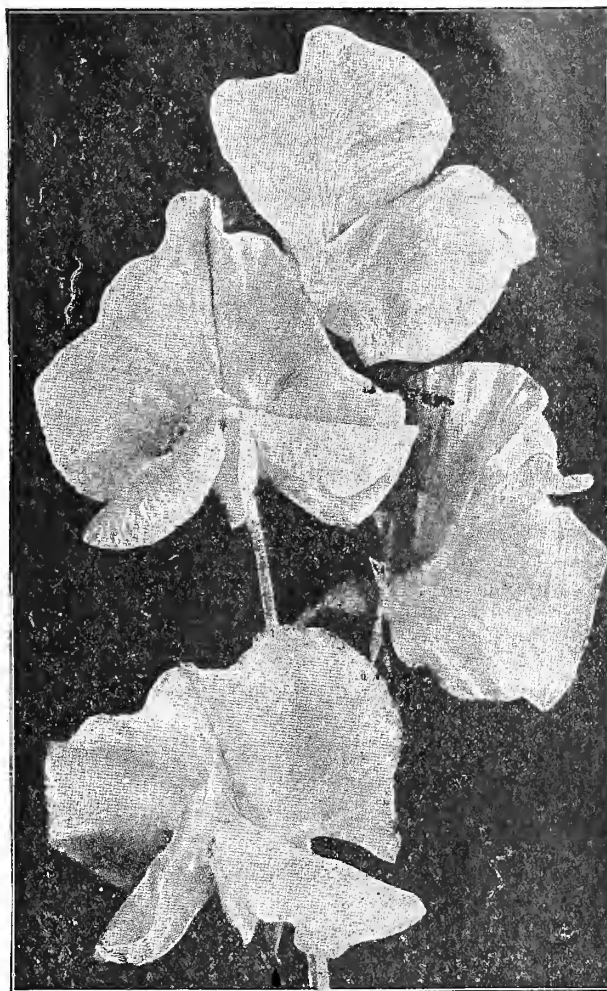
Edward Cowdy. Orange scarlet .....	.10	.40	1.25	4.00
Fieri Cross. Large, intense orange scarlet ..	.10	.60	2.00	
King Edward Spencer. Crimson scarlet ..	.10	.30	.85	3.00
President. Glowing scarlet self .....	.10	.75	2.25	
Vermilion Brilliant. Intense scarlet .....	.10	.30	.85	3.00

STRIPED AND FLAKED

American Spencer. Red flakes on white ground .....	.10	.30	.85	3.00
Helen Pierce Spencer. White mottled light blue .....	.10	.40	1.25	4.00
Scintillator. Striped and flaked orange rose on a cream ground .....	.10	.75	2.25	

WHITE

Constance Hinton. Large white, black seeded .....	.10	.40	1.25	4.00
King White. Gigantic flowers; pure white ..	.10	.35	1.00	3.50
Nora Unwin. Large pure white .....	.10	.15	.50	1.50
White Spencer. Pure white .....	.10	.30	.85	3.00



Spencer or Orchid Sweet Pea

SWEET PEAS

GRANDIFLORA VARIETIES

	Oz.	¼ lb.	Lb.
Blanche Burpee. Large, pure white	\$0.15	\$0.45	\$1.40
Blanche Ferry. Pink and white .....	.15	.40	1.25
Countess of Radnor. Pale lavender .....	.15	.40	1.25
Dorothy Eckford. Large white .....	.15	.40	1.25
Flora Norton. Delicate lavender .....	.15	.40	1.25
Hon. Mrs. E. Kenyon. Primrose yellow ..	.15	.45	1.40
King Edward VII. Crimson scarlet .....	.15	.40	1.25
Lady Grisel Hamilton. Pale lavender .....	.15	.45	1.40
Lord Nelson. Rich navy blue .....	.15	.40	1.25
Lovely. Soft shell pink .....	.15	.45	1.40
Miss Wilmott. Deep orange pink .....	.15	.45	1.40
Navy Blue. Deep violet blue .....	.15	.45	1.45
Othello. Dark maroon .....	.15	.40	1.25
Prima Donna. Lovely soft pink .....	.15	.40	1.25
Queen Alexandra. Scarlet .....	.15	.40	1.25

Price, any of the above Varieties, 5c. per packet.

MICHELL'S SUPERB SPENCER MIXTURE

A mixture that cannot be surpassed. Blended by ourselves from only the Giant Waved Spencer varieties in proportions of bright colors and including a number of new hybrids of exquisite colors and shades. Per pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.25 per lb.

MICHELL'S GILT EDGE MIXTURE

This mixture contains the Grandiflora or large flowering varieties, and represents almost every color and shade in Sweet Peas. Price: 5c. per pkt.; per oz., 15c.; 40c. per ¼ lb.; per lb., \$1.25.

For Early or Winter Flowering Spencer Sweet Peas, See Next Page.

EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

	Pkt.	Oz.
Early Asta Ohm. Rich lavender	\$0.15	\$1.25
Early Heatherbell. Mauve lavender .....	.15	1.25
Early Helen Lewis. Orange pink .....	.15	1.25
Early Hercules. Soft rose pink .....	.15	1.25
Early Lavender Nora .....	.15	.50
Early Lavender Pink .....	.15	1.25
Early Liberty. Deep sunproof crimson .....	.15	1.25
Early Meadow Lark. Rich cream .....	.15	1.25
Early Melody. Rose pink on white ground.....	.15	1.25
Early Morning Star. Deep orange scarlet in standard, with rich, orange-pink wings .....	.15	1.25
Early Mrs. A. A. Skaach. Clear, light pink .....	.15	1.25
Early Mrs. M. Spanolin. Pure white .....	.15	1.25
Early Mrs. William Sim. Salmon pink .....	.15	1.25
Early Pink and White .....	.15	1.25
Early Red Orchid .....	.15	1.25
Early Rose Queen. Flowers are borne freely on long stems, are of large size, and usually four flowers are produced on a stem. Color a most attractive shade of pink	¼ oz., \$1.50	4.00
Early Sankey. Large white; black seeded .....	.15	1.25
Early Snow Flake. Large pure white .....	.15	1.25
Early Song Bird. Pale pink on white ground .....	.15	1.25
Early Songster. Rich lavender .....	.15	1.25
Early Spring Maid. Light pink on white ground....	.15	1.25
Early Venus. White, blushed pink .....	.15	1.25
Early Warbler. Rich, mauve purple .....	.15	1.25
Early Wedgewood. Lovely clear blue .....	.15	1.25
Early White Orchid .....	.15	1.25
Early Yarrowa. Flowers exquisitely waved, and of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings .....	.15	1.25
Early Mixed Colors .....	.10	.75

WINTER FLOWERING GRANDIFLORA SWEET PEAS

	Pkt.	Oz.	¼ Lb.
Christmas Meteor. Searlet	\$0.10	\$0.20	\$0.60
" Pink. Pink and white .....	.10	.20	.60
" White (Florence Denzer) .....	.10	.20	.60
Earliest of All. Pink and white .....	.05	.20	.60
Le Marquis. Large dark blue .....	.10	.20	.60
Michell's Snowdrift. Pure white; black seeded; extra early .....	.10	.25	.75
Mont Blanc. Pure white .....	.05	.20	.60
Mrs. Alex. Wallace. Lavender .....	.10	.20	.60
Mrs. Chas. H. Totty. Lavender .....	.10	.20	.60
Mrs. F. J. Delansky. Daybreak pink .....	.10	.20	.60
Mrs. William Sim. Salmon pink .....	.10	.20	.60
Watchung. Pure white .....	.10	.20	.60
Mixed. Winter flowering .....	.10	.20	.60

For Sweet Peas especially adapted for out-door planting see
Page 25.

VIOLA CORNUTA (Tufted Pansies)

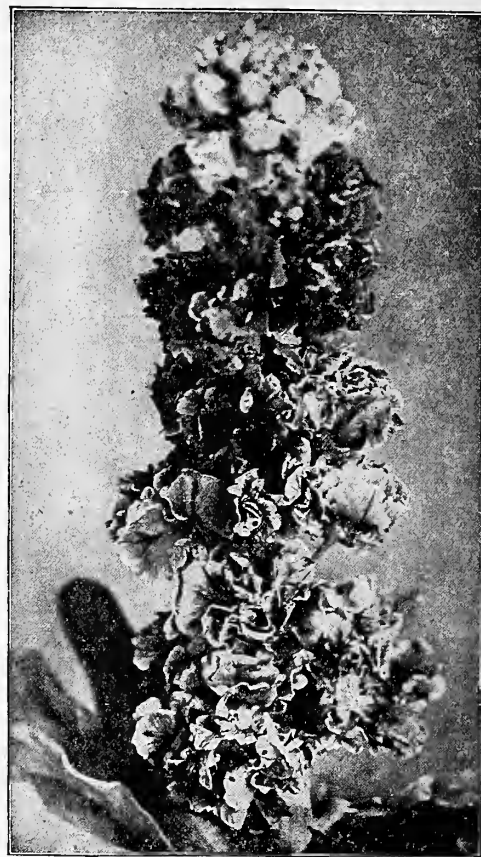
These resemble pansies in shape and form, with the additional quality that they have long stems, and bloom from early spring till late in fall.

	Large Pkt.	Pkt.
Admiration. Dark blue	\$0.50	\$0.10
Mauve Queen. Lovely mauve color .....	.50	.10
Perfection. Light blue .....	.50	.10
White Perfection. Pure white .....	.50	.10
Mixed. All colors .....	.40	.10

VIOLA (Scotch Bedding Pansies)

These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the Viola Cornuta.

	Large Pkt.	Pkt.
Golden Gem. Yellow	\$0.50	\$0.15
Lutea Splendus. Rich golden yellow .....	.50	.10
Snowflake. Pure white .....	.50	.15
Mixed. From the best named Scotch varieties .....	.65	.25



Double Wallflower

WALLFLOWER

While these are perennials, they are not perfectly hardy; the plants should be lifted late in the fall and planted in a cold-frame, and removed to the garden again in the spring; the flowers are fragrant and splendid for cutting; double varieties, 2 feet; single varieties, 1½ feet.

	Large Pkt.	Pkt.
Double Brown	\$0.50	\$0.10
Double Yellow .....	.50	.10
Double Mixed. All colors .....	.50	.10
Single Mixed	oz., 30c.	.15
Imported Collection. 6 double varieties .....	...	.50
Imported Collection. 6 single varieties .....	...	.40
Paris Extra Early. A single-flowering variety, which may be treated as an annual flowering the first year from seed.		
Paris Extra Early. Blood Red	\$0.20	\$0.10
Paris Extra Early. Yellow .....	.20	.10
Paris Extra Early. Mixed. All colors	oz., 75c.	.15

MICHELL'S COLLECTION OF HARDY PERENNIAL FLOWER SEEDS

18 Varieties. Special Price, \$1.25. One packet each of the following:

Alyssum Saxatile.	Gypsophila. Paniculata.
Aquilegia. Single Mixed.	Hollyhock. Double Mixed.
Calliopsis. Lanceolata Grandiflora.	Lobelia. Cardinalis.
Campanula. Pyramidalis.	Poppy. Orientale.
Delphinium. Formosum.	Pyrethrum. Single Mixed.
Dianthus. Clove Scented.	Rudbeckia. Purpurea.
Digitalis. Gloxinaeflora.	Scabiosa. Caucasica.
Mixed.	Stokesia. Cyanea.
Gaillardia. Grandiflora.	Sweet William. Double.
	Mixture of Perennial Flowers.

MICHELL'S PERENNIAL FLOWER GARDEN MIXTURE

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many hundred varieties of the choicest old-fashioned flowers. Pkt., 10c.; 40c. per oz.; per ¼ lb., \$1.25.

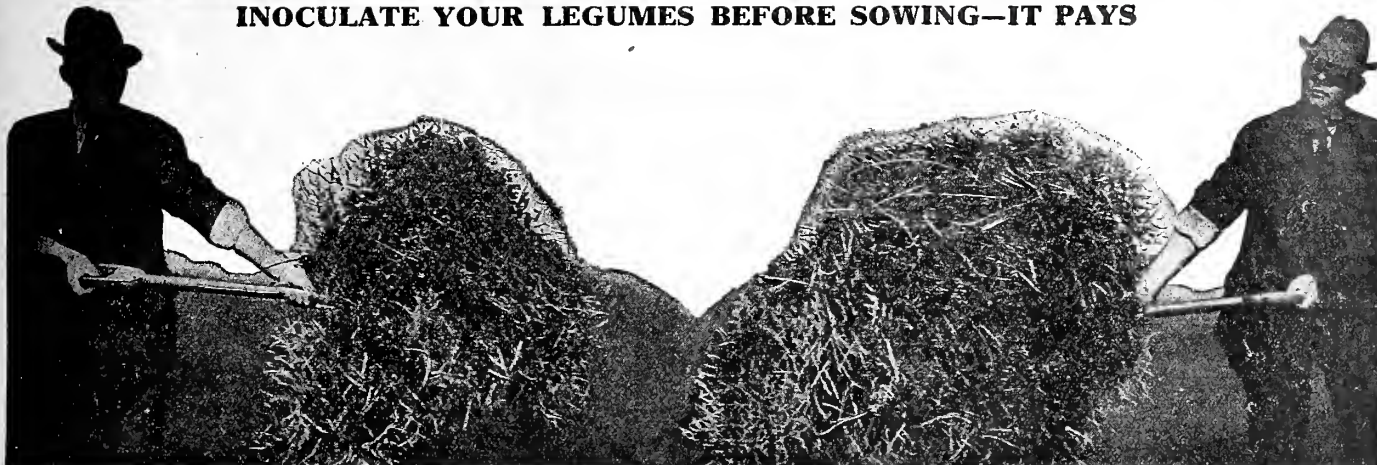
Mulford Cultures

FOR LEGUMES

INOCULATE YOUR LEGUMES BEFORE SOWING—IT PAYS

PRICES 27

5-Acre Size (A Dollar per Acre) ..\$5.00
1-Acre Size 1.50
1/4-Acre50
Small Size (Supplied only for Garden Peas, Garden Beans, Lima Beans and Sweet Peas)25



Alfalfa from a well prepared Seed Bed—No Inoculation

Alfalfa from a well prepared Seed Bed—Inoculated

The most Fertilizer Value of Legumes depends largely upon Inoculation with these Bacteria. 1000 to 2000 Pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately available for any following crop. Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form to the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates. The application of bacteria to the seed of these legumes when planting practically trebles the nitrogen-gathering power and for this reason we urge all planters to use it on all such occasions. Please note that the bacteria is not applicable to any other class of plant through inoculation, except as noted below; succeeding crops, though, following on ground where bacteria was used, derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

The following crops are in season for sowing now and should be inoculated:

**Alfalfa, Alsike, Crimson Clover,
Red Clover, Vetch.**

We can also furnish culture for all other legumes.

PRICES ON MULFORD GERM

5-Acre Size, \$5.00 (A Dollar per Acre)	By Mail \$5.25
1-Acre Size	1.65
1/4-Acre Size .....	.55
Small Size (Supplied only for Garden Peas, Garden Beans, Lima Beans and Sweet Peas) .....	.25

Have a RICH, GREEN LAWN ALL WINTER from an application of

PREPARED ALPHANO HUMUS "THE IDEAL SOIL ENRICHER"

It is prepared from a rich deposit of decayed vegetable and animal matter. In its course of preparation for use as a soil builder and enricher, it is composted for a long period, and supplied with all the legume and other beneficial soil bacteria. 80 per cent. of the moisture is driven out, and a liberal quantity of rich, concentrated plant foods and bacterial nutriment of highest fertilizing value are added. It comes to you, finely pulverized, odorless, and entirely free from weed seeds.

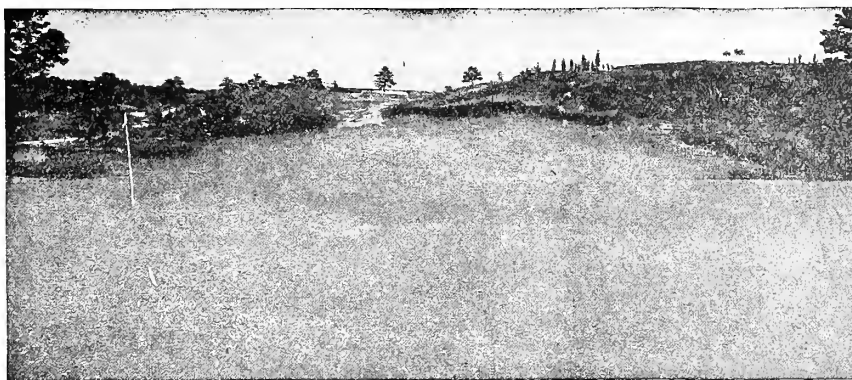
It is rich in ammonia, phosphoric acid, potash and lime, and is lively with the various bacteria so essential to soil fertility.

For lawns it is applied as a top dressing from 1/2 to 1 inch depth, which should be then worked in.

If grass seed is to be sown, then is the time to apply it. On golf links it is used in a similar way.

For Flower and Vegetable garden, apply at rate of 1/2 to 2 inches deep, and fork it well in the soil, or apply it in trenches, the same as you would well-rotted manure. For pot plants, mix about 1-3 of the Alphano with 2-3 of regular potting soil.

A ton of Prepared Alphano Humus is equal to nearly 2 cubic yards. For top dressing lawns an application of 100 lbs. every 800 sq feet will be effective. For distribution in large quantities, say 1/2 inch thick, 30 tons is required per acre; if 1 inch thick application is desired, 60 tons per acre; if 2 inches thick, 120 tons per acre.



A Fairway on the course of Pine Valley Golf Club, Pine Valley, N. J., treated with Alphano Humus

ALPHANO HUMUS MAY BE APPLIED at any SEASON of the YEAR. PRICES fob Phila. (subject to change) :

5 lbs.	\$0.30	100 lbs.	\$2.50
10 lbs. ....	.50	500 lbs.	11.25
25 lbs. ....	.75	1000 lbs.	17.50
		2000 lbs. (1 ton)	30.00

Special price will be quoted in ton and carload lots. F. o. b. Alphano, N. J.

(hb)

A complete offering will be found in our General Catalog of Seeds that was issued in January; a copy may be had on request.

WE PAY POSTAGE AND PACKING CHARGES

(Except as noted)

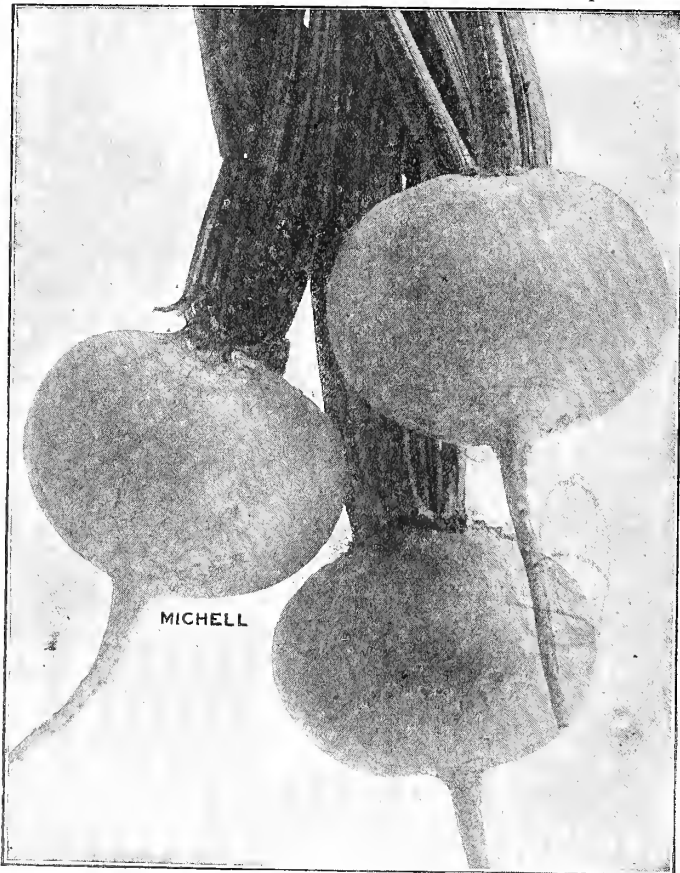
on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (beans, corn, cowpeas and mixed grass seeds are **not included**), or such other seeds where mention is made in catalogue. If all seeds are wanted by mail, remit for postage at the following rates. (Consult your post office for weight limits.)

No charge is made for boxes, packing or bags, except for two-bushel seamless sacks, 65c. each, which are returnable for credit at the price charged.

BEANS FOR FORCING

These are a very prolific crop in the greenhouse.

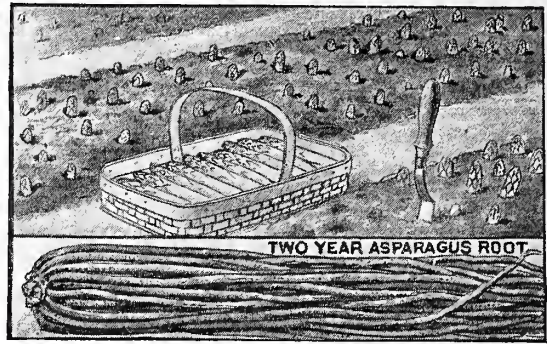
Stringless Green Pod Imp. Pods are round, thin and tender, but very long. Pkt., 10c.; 25c. per $\frac{1}{2}$ lb.; lb., 40c.; \$1.80 per 5 lbs.



Crosby's Egyptian Beet

BEET (Table Varieties)

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Arlington Favorite Blood (Turnip).....	\$0.10	\$0.25	\$0.85	\$3.00
Bassana Extra Early (Turnip) .....	.10	.20	.60	2.00
Bastian's Early Turnip .....	.10	.25	.75	2.75
Bastian's Half Long Blood .....	.10	.20	.60	2.00
Crimson Globe (Michell's Imp.).....	.10	.20	.65	2.25
Crosby's Egyptian (Turnip) .....	.10	.25	.75	2.75
Detroit Dark Red (Turnip) .....	.10	.20	.60	2.00
Eclipse Extra Early (Round) .....	.10	.20	.65	2.25
Edmand's Blood (Turnip).....	.10	.20	.65	2.00
Lentz Turnip .....	.10	.20	.65	2.00



ASPARAGUS ROOTS

(Ready after October 15th)

4,000 to 6,000 roots required for an acre, according to the distance set apart.

Asparagus roots are planted quite extensively during the autumn and invariably give good results, we do not advise planting after the ground has been frozen at that season.

	2-Year-Old Roots			3-Year-Old Roots		
	Doz.	100	1000	Doz.	100	1000
Barr's Mammoth	\$0.30	\$1.25	\$10.00	\$0.40	\$1.75	\$15.00
Conover's Colossal .....	.30	1.25	10.00	.40	1.75	15.00
Giant Argenteuil .....	.30	1.25	10.00	.40	1.75	15.00
Palmetto or Eclipse .....	.30	1.25	10.00	.40	1.75	15.00

CAULIFLOWER (Varieties Suitable for Forcing)

Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; being very long and compact, it gives enormous weight to the individual heads. Pkt., 25c.; 50c. per large pkt.; $\frac{1}{4}$ oz., \$1.75; \$3.25 per $\frac{1}{2}$ oz.; 1 oz., \$6.00.

Michell's Special Strain Selected Erfurt. One of the earliest in cultivation, small leaved dwarf; splendid forcer. Pkt., 25c.; 50c. per large packet; \$1.25 per $\frac{1}{4}$ oz.; \$4.50 per oz.

Early Snowball. A splendid early variety, producing magnificent medium size white heads. Pkt., 20c. and 50c.; \$1.00 per $\frac{1}{4}$ oz.; $\frac{1}{2}$ oz., \$1.75; \$3.00 per oz.

FORCING CARROTS

Early Half Long Scarlet. A very desirable pointed root variety of fine flavor and good color. Pkt., 10c.; 20c. per oz.; 65c. per $\frac{1}{4}$ lb.; per lb., \$2.25.

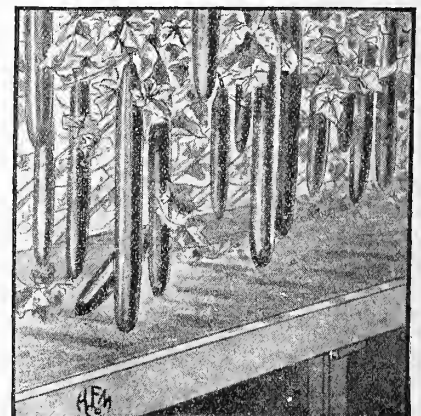
Rubicon Half Long. Of excellent shape and extremely well adapted for early forcing. Pkt., 10c.; 25c. per oz.; $\frac{1}{4}$ lb., 75c.; \$2.75 per lb.

Oxheart or Guerande. An early forcing variety; small round roots, not much larger than a Radish. Pkt., 10c.; 20c. per oz.; $\frac{1}{4}$ lb., 65c.; \$2.25 per lb.

ENGLISH CUCUMBERS

These are splendid for growing in hotbed frames during the summer months, in preference to the open garden ground. They can thus be started earlier and protected during cool nights, as they are more tender than the regular outdoor varieties. They may also be grown under glass in greenhouses during the winter, producing enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

Lockie's Perfection,
Sion House, Telegraph, Tender and True. Per packet of 12 seeds of either of the 4 sorts above, 30c. pkt.; \$2.25 per 100 seeds.



English Greenhouse Cucumbers

For complete list see our General Seed Catalog, mailed free on request.

CORN SALAD (Fetticus)

Mache Ronde (Fr.);
Ackersalat (Ger.)

This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover with a litter of leaves or long manure or straw, and upon approach of spring the covering can be taken off entirely. It can also be gathered on mild days during winter.

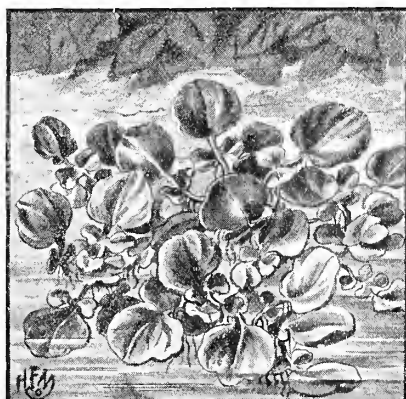
Large Leaved, Round Seeded. Pkt., 10c.; 20c. per oz.; ¼ lb. 65c.; \$2.25 per lb.



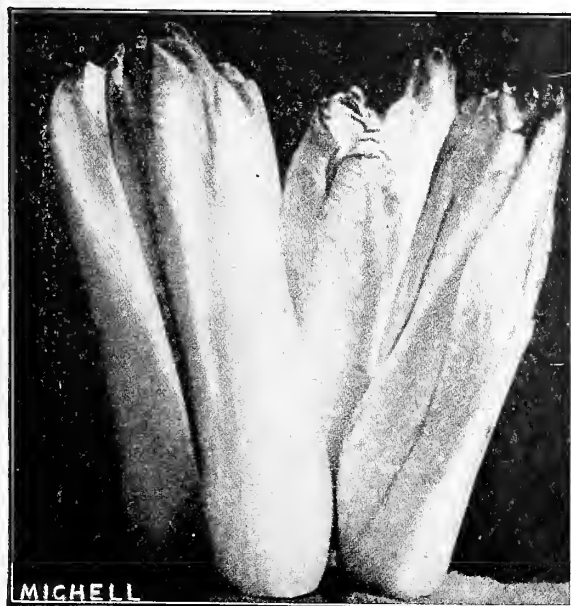
WATER CRESS

This may be grown on a greenhouse bench just as successfully as along a stream of water, and a continuous crop may thus be assured regardless of weather conditions. Nothing can compare for flavor with the delicious tenderness of young Water Cress.

True Erfurt. Pkt., 10c.; 40c. ½ oz.; oz., 75c.; \$2.50 ¼ lb.



Water Cress



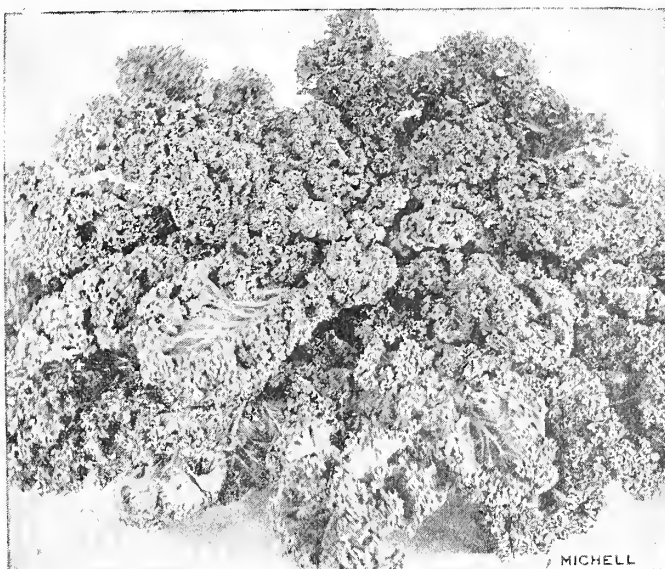
Witloof Chicory

WITLOOF CHICORY ROOTS (Ready December 1st.)

Used only as a winter vegetable, the top part only being edible. Plant under a bench in the greenhouse or a light, dry, warm portion of a cellar in a bed of rich garden soil 12 inches deep, place

WITLOOF CHICORY (continued)

about 6 inches apart each way. The top growth remains intact, as the illustration shows, and may be cut any time after 5 inches growth, before the heads begin to expand. Roots should be set in the soil the same depth as they were originally in the garden. A continuous supply of this delicious winter vegetable can be had from December 1st to April 1st. A cold frame makes also an ideal place for forcing them in the late winter or early spring months. Strong Roots, 75c. per doz.; per 100, \$5.00.



Dwarf Curled Scotch Kale

KALE OR BORECOLE

Chou Vert (Fr.); Grun Kohl (Ger.); Cavolo Verde (Ital.) One ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre.

For early use it may be sown in May; when desired for winter use, sow in September, broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition. One of the finest nutritious greens for winter and early spring use.

Dwarf Green Curled. This variety is very compact growing, rarely attaining a height over six inches. The color is dark green, very curly. 10c. pkt.; 30c. oz.; \$1.00 ¼ lb.; \$3.25 lb.

Imperial Long Standing. The leaves are very crimp and of a dark green color. It stands quite tall, and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 10c.; 25c. per oz.; ¼ lb., 75c.; \$2.50 per lb.

LETTUCE (Heading Varieties)

	Pkt.	½ oz.	Oz.	¼ lb.	lb.
All Right (Michell's).....	\$0.10	\$0.15	\$0.25	\$0.75	\$2.50
Big Boston .....	.10	...	.20	.70	2.25
Boston Market .....	.10	...	.20	.70	2.25
Hanson Improved .....	.10	...	.20	.70	2.25
May King .....	.10	...	.25	.75	2.50
Michell's Number One .....	.10	.15	.25	.75	2.50
Prize Head .....	.10	.15	.25	.75	2.50
Salamander (Mammoth) .....	.10	...	.20	.70	2.25
Way-a-head .....	.10	.15	.25	.75	2.50
Wonderful or New York .....	.10	...	.20	.70	2.25

LETTUCE (Loose Leaf Varieties)

	Pkt.	½ oz.	Oz.	¼ lb.	lb.
Black Seeded Simpson .....	.10	...	.20	.70	2.25
Early Curled Simpson .....	.10	...	.20	.70	2.25
Grand Rapids .....	.10	...	.20	.70	2.25
Silesian .....	.10	...	.20	.70	2.25

LETTUCE (Cos or Romaine)

	Pkt.	½ oz.	Oz.	¼ lb.	lb.
Kingsholm Cos .....	.10	.15	.25	.75	2.50

MUSTARD

Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce for flavoring. The seed can be harvested if the plant is allowed to stand and used for other culinary purposes. One ounce will sow a row 75 feet long. It makes a delicious green salad, pungent in taste, highly palatable and healthy. Sow every two weeks in rows the same as spinach. It must be used while young, as only then is it tender and mild.

White or Yellow. Pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; \$1.75 per lb. (hb)

MICHELL'S SEASONABLE VEGETABLE SEEDS



Lettuce Kingsholm Cos (See Page 29)

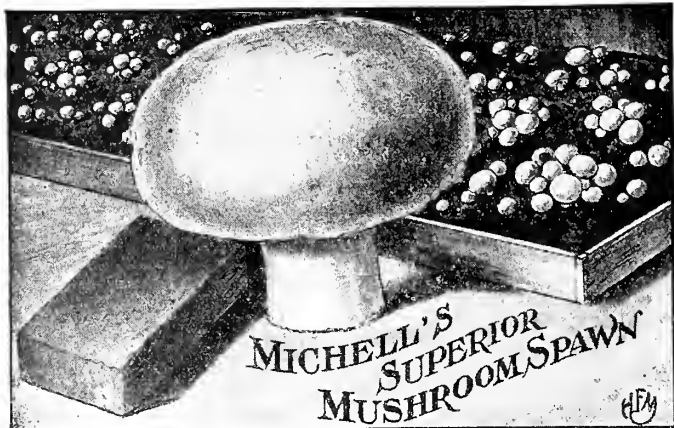
FORCING MELONS (English Varieties)

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers.

Blenheim Orange, Invincible-Scarlet, Windsor Castle. Each variety per pkt., 30c.

Sutton's A1. In original packets, 60c. per pkt.

MELON NETS. For supporting forcing melons in greenhouses; made very strong, will last for a number of crops. \$1.75 per doz.; per 100, \$12.00.



MICHELL'S SUPERIOR MUSHROOM SPAWN BRANDYWINE PURE CULTURE SPAWN

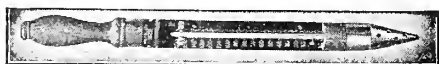
This is an entirely new strain, originating in the section of Pennsylvania that supplies New York and Eastern markets with mushrooms.

Per Brick\$0.35 Per 10 Bricks.....\$2.75
Per 5 Bricks.....1.50 Per 25 Bricks.....6.50
Per 50 Bricks.....\$12.50

AMERICAN SPORE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time.

Direct No. 8. Cream White. For use from April to October
Direct No. 9. Pure White. For use from October to April.
Per Brick\$0.35 Per 10 Bricks.....\$2.75
Per 5 Bricks.....1.50 Per 25 Bricks.....6.50
Per 50 Bricks.....\$12.50



MUSHROOM OR HOTBED THERMOMETERS

Heavy Galvanized Iron Point\$2.25
Brass Point Wood Case Paper Scale2.00

Thermometers should, wherever possible, be sent by express. We do not guarantee safe arrival if forwarded by parcel post.

ONION SETS

	Qt.	4 Qts.	Peck
Tree or Top, 28 lbs. per bushel	\$0.20	\$0.60	\$0.85
White, 32 lbs. per bushel	} Prices will be quoted on ap- plication.		
Yellow, 32 lbs. per bushel.....			



Tree or Top Onions

PARSLEY

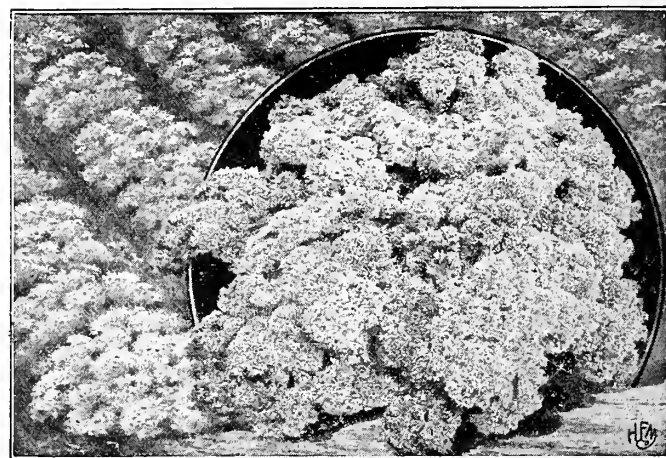
One ounce will sow a row 100 ft. long

After soaking the seed for a few hours in warm water, it should be sown in rows 18 inches apart, and when 2 inches high thinned out so the plants will stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is necessary. Parsley can be continued over winter, if given a heavy covering of long manure.

Champion Moss Curled. Beautifully crimped and curled. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c. \$1.50 per lb.

Double Curled or Covent Garden. A great improvement over all other varieties; a nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 10c.; 15c. per oz.; ¼ lb., 50c.; \$1.50 per lb.

Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt., 10c.; oz., 15c.; ¼ lb., 50c.; \$1.75 per lb.

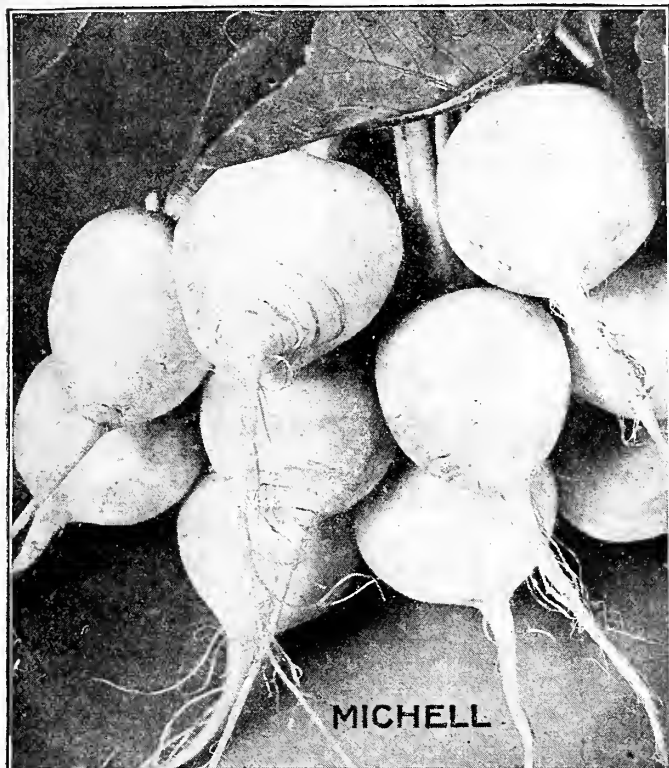


Double Curled Parsley

RADISH

	Pkt.	Oz.	¼ lb.	Lb.
Black (½ Long Winter)	\$0.10	\$0.20	\$0.50	\$1.75
Black Spanish (Round Winter) .....	.10	.20	.60	1.75
Cardinal Globe (Improved Strain)....	.10	.25	.75	2.50
Celestial or White Chinese (Winter)..	.10	.20	.65	2.00
China Rose (Winter) .....	.10	.20	.65	2.00
Crimson Giant (New) .....	.10	.20	.65	2.00
French Breakfast .....	.10	.20	.65	2.00
Icele (Improved Strain) .....	.10	.20	.65	2.00
Long Scarlet Short Top .....	.10	.15	.50	1.50
Round Red .....	.10	.20	.65	2.00
White Box (Felton's Private Stock)...	.10	.20	.60	1.75
White Strasburg (½ Long) .....	.10	.20	.65	2.00

See our General Catalog for a complete offering of Vegetable Seeds.



Michell's (Improved Strain) Cardinal Globe Radish

RHUBARB ROOTS (Ready in October)

Victoria 1st Size Roots. 15c. each; \$1.50 per doz.; per 100, \$10.00. Parcel Post Weight, per root, 1 lb.

Victoria Extra Large Clumps for Forcing. 25c. each (not mailable); \$2.50 per doz.; 25 for \$4.25; \$15.00 per 100.

SPINACH

Bloomsdale Round-Seeded Savoy (Improved Strain). The hardiest variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Pkt., 10c.; 15c. oz.; 40c. per ¼ lb.; per lb., \$1.50.

Long Season. A cross between the Bloomsdale and the Victoria Long Standing. It produces tremendously large plants and leaves which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled and are tender. Color, a beautiful dark green. Pkt., 10c.; 15c. per oz.; ¼ lb., 40c.; \$1.50 lb.



Spinach, Michell's Improved Strain Bloomsdale

TOMATOES (Adapted for Forcing)

Michell's Cracker Jack. One of the best for forcing; its productiveness is wonderful and is quite free from acid. Fruits are of medium size and of a brilliant rich scarlet color. Per pkt., 10c.; ½ oz., 30c.; 60c. per oz.; ¼ lb., \$2.25.

Sutton's Best of All. One of the finest varieties in use in England, and the seed we offer is grown from Sutton's original stock. The fruit is medium sized, and of an intense red color, containing but few seeds, it is produced in clusters of from 3 to 6 fruits. 10c. pkt.; ½ oz., 30c.; oz., 50c.; \$1.75 per ¼ lb.

Comet. A cluster averages 6 tomatoes of medium size of the brightest red, ripening up to the stem. One of the first to ripen and continues in bearing for a long while. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; \$1.75 per ¼ lb.

Sutton's Eclipse. A very smooth fruit, borne singly on plants which produce little foliage, a good point in a forcing tomato, vermilion red color; original packets, 85c.



Tomatoes Growing in Hothouse

TURNIP AND RUTA BAGA

	Pkt.	Oz.	¼ lb.	Lb.
Cow Horn	\$0.10	\$0.20	\$0.60	\$2.25
Early Purple Top, Flat .....	.10	.20	.60	2.25
Purple Top White Globe (Private Stock) .....	.10	.20	.70	2.50
Ruta Baga, Yellow Purple Top (Private Stock) .....	.10	.20	.65	2.25
Yellow Aberdeen, Flat .....	.10	.15	.50	1.75
Yellow Globe or Amber .....	.10	.20	.65	2.25



A Scene at Sunnybrook Golf Club, Flourtown, Pa. Michell's Grass Seeds Used Extensively

MIXTURES FOR LAWNS

Michell's Clover Lawn Grass. (30 lbs. per bushel.) The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover, induced us to offer this brand. After extensive trials we have produced a mixture of grasses, mixed with a most liberal quantity of best recleaned white clover. Especially suited to take firm hold and grow quickly on hard, worn out or burned spots; splendid for seashore lawns. Pint, 30c.; 50c. qt.; 2 qts., 90c.; \$1.75 for 4 qts.; per peck, \$3.00; \$11.50 per bushel.

Michell's Top Notch. 25 lbs. per bushel. The nest Lawn Mixture in existence, and can justly be called the top-notch of quality. It is a perfectly blended combination of quick growing, very compact, fine bladed grasses, that will produce a perfect lasting turf in a few weeks. Price, \$2.00 per peck; \$7.50 per bushel of 25 lbs.; 2 bushels, \$14.50; \$35.00 per 5 bushels; 100-lb. lots and over, 28c. lb.

Michell's Green Velvet. 20 lbs. per bushel. Produces a perfect lawn in 4 to 5 weeks' time. Sow 4 bushels per acre. Prices: 1 pt., 20c.; 30c. per qt.; 4 qts., 90c.; \$1.50 per peck; per bushel, \$6.00; \$28.00 per 5 bushels; 100-lb. lots and over 28½c. lb.

Michell's Evergreen. 20 lbs. per bushel. The standard Lawn Mixture in the United States. Sow 4 bushels per acre. Prices: Pint, 15c.; 25c. per qt.; 4 qts., 75c.; \$1.25 per peck; bushel (20 lbs.), \$4.50; 100-lb. lots and over, 21c. lb.

Michell's Shaded Lawn Grass. Will produce perfect swards in the most densely shaded places. Prices: 30c. per qt.; 90c. per 4 qts.; peck, \$1.50; \$6.00 per bu. (20 lbs.); 100-lb. lots and over, 28½c. per lb.

Fairmont Park Lawn Seed. Sow 4 bu. to the acre. Prices: per qt., 20c.; 60c. for 4 qts.; 90c. per peck; per bushel of 15 lbs., \$3.00; 100-lb. lots and over, 19c. per lb.

Michell's Seashore Formula Grass Seed. Contains such grasses as thrive in salt air regions. Sow 4 bu. to the acre. Prices: per qt., 30c.; 90c. for 4 qts.; \$1.50 per peck; per bu. of 20 lbs., \$6.00; 100-lb. lots and over, 28½c. per lb.

Michell's Terrace or Embankment Grass Seed. Sow 4 bu. to the acre. Prices: per qt., 25c.; 75c. for 4 qts.; \$1.35 per peck; per bu. of 20 lbs., \$5.00; 100-lb. lots and over, 24c. per lb.

MIXTURES FOR LAWNS (Continued)

Southern States Lawn Grass Seed. Made up especially for dry, hot localities, especially suited to the Southern States. 15 lbs. per bu. Prices: 20c. per qt.; 60c. for 4 qts.; peck, \$1.00; \$3.50 per bu.; 100-lb. lots and over, 21c. per lb.

Special Sod Grass Seed. Producing a heavy sod in a short time. 15 lbs. per bu. Prices: 25c. per qt.; 75c. for 4 qts.; peck, \$1.15; \$4.00 per bu.; 100-lb. lots and over, 25c. per lb.

Woodlands Lawn Mixture. 20 lbs. per bu. For sowing in dense shade among trees, in woods, etc. \$1.25 per peck; per bu., \$4.50; \$21.00 for 5 bu.; 100-lb. lots and over, 21c. per lb.

MIXTURES FOR PLEASURE GROUNDS

Michell's Fair Greens Mixture Golf Course. Composed of short-growing, deep-rooted varieties, resisting plenty of wear. Golf courses, to retain their permanency, should receive additional sowings during the season. Sow 6 bu. per acre. Prices: per qt., 25c.; 75c. for 4 qts.; 1 peck, \$1.25; 1 bu. (20 lbs.), \$5.00; 100-lb. lots and over, 23¼c. per lb.

Michell's Putting Greens Mixture. A quick-growing mixture of short, thin-bladed grasses, over which the ball can roll without resistance. We do not recommend less than 1 bu. of 25 lbs. to a green 75 feet square. Prices: 1 qt., 35c.; 4 qts., \$1.25; 1 peck, \$2.25; 1 bu. (25 lbs.) \$9.00; 100-lb. lots and over, 35c. per lb.

Teeing Grounds Mixture. Used on golf courses or in places where a tough, resisting turf is wanted (20 lbs. per bu.). 25c. per qt.; 4 qts., 85c.; \$1.10 per peck; per bu., \$4.00.

Lawn Tennis Grass Seed. Tennis courts need grasses of a hardy nature, of fine leaf and close, compact growth. Our mixture will be found particularly adapted for the purpose (20 lbs. per bu.). Prices: 1 qt., 25c.; 75c. for 4 qts.; per peck, \$1.35; \$5.00 per bu.; 100-lb. lots and over, 24c. per lb.

Testimonial on Michell's Lawn Grass

"Rosemont Farms," Berryville, Va.

I used 5 bushel of your **Velvet Lawn Grass** this spring in making a new piece of Lawn, and wish to say, that same came up fine, it looks like a piece of velvet.

JOHN M. MEEHAN, Supt.



MICHELL'S "HAY-FIELD" GRASS SEEDS

Per Qt. 20c.
Per 4 Qts. 75c.
Per Peck \$1.00
Per Bush. \$3.75
100-Lb. Lots
18c. Lb.

MIXTURES FOR MISCELLANEOUS PURPOSES

Michell's Permanent Pasture Grass Seed. In the past few years ideas of what was the best way to establish a permanent grazing sod have undergone many changes. The old prevalent method of sowing timothy and clover has been found not only costly, but too short-lived to answer the purpose. The old custom has given way to the new, which is the sowing of a mixture of permanent grasses. Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years, although we advise additional sowing each autumn, just previous to which a light harrowing is recommended to give the grass a quick hold. Sow 3 to 4 bu. per acre on new land or 2 bu. on established pastures (20 lbs. per bu.). Prices: per qt., 20c.; 4 qts., 75c.; per peck, \$1.00; per bu. (20 lbs.), \$3.75; 100-lb. lots and over, 18c. per lb.

Michell's Permanent Hayfield Grass Seed. While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in this mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in every kind of soil. Sow 3 to 4 bu. per acre on new lands or 2 bu. on established fields (20 lbs. per bu.). Prices: per qt., 20c.; 4 qts., 75c.; per peck, \$1.00; per bu. (20 lbs.), \$3.75; 100-lb. lots and over, 18c. per lb.

Michell's Poultry Yard Grass Seed. Chickens love grass and should be placed where they can get it as much as possible. We put plenty of clover seed in this mixture, as it is very nutritious, and the fowls relish it (15 lbs. per bu.). 20c. per qt.; 4 qts., 60c.; 90c. per peck; bu., \$3.00.

WHITE CLOVER

Choice re-cleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.). Per ¼ lb., 20c.; 75c. per lb.; 5 lbs., \$3.65; \$7.00 for 10 lbs.; per bu., \$40.00; per 100 lbs., \$65.00.

GRASSES IN SEPARATE VARIETIES

All Strictly Re-cleaned and Carefully Tested for Purity and Germination.

Prices Subject to Market Changes

We handle the best re-cleaned grass seeds in separate varieties. Some persons like to do their own mixing or prefer to sow only one kind of grass; we make no charge for mixing.

Lbs. per bush.	Lb.	Bush.	100 lbs.
35 Bermuda Grass	\$0.60		
14 Blue Grass (Kentucky). Extra fancy 3 to 5 bu. per acre (\$1.25 per peck) .....	.35	\$4.00	\$27.00
14 Blue Grass (Canadian). 3 to 5 bu. per acre .....	.30	3.50	17.50
20 Creeping Bent. 4 bu. per acre .....	.75	13.00	60.00
21 Crested Dogstail. 3 1/2 to 4 bu. per acre ..	.50	9.00	40.00
24 English Rye (Pacey's Fancy Short Seeded). Fine for Lawns. 3 bu. per acre ..	.30	6.00	20.00
14 Fine Leaved Fescue	Price on application		
10 Herd or Red Top. Unhulled, 4 to 5 bu. per acre .....	.20	1.75	15.00
12 Hard Fescue. 30 lbs. per acre	Price on application		
18 Italian Rye. 50 lbs. per acre .....	.30	5.00	22.50
22 Meadow Fescue. English Blue Grass ..	.50	9.75	40.00
22 Orchard. 40 lbs. per acre .....	.50	5.40	40.00
14 Red or Creeping Fescue .....	.60	7.50	50.00
32 Red Top. Re-cleaned .....	.30	7.75	22.00
14 Rhode Island Bent. 40 lbs. per acre ..	.65	8.00	60.00
12 Sheep's Fescue. 40 lbs. per acre	Price on application		
Sudan Grass .....	.30		
Sweet Vernal (Perennial). 3 lbs. per acre with other grass	Price on application		
Sweet Vernal (Annual). 3 lbs. per acre with other grass	Price on application		
10 Tall Meadow Oat (French Rye Grass) ..	Price on application		
45 Timothy Seed. 1/2 bu. per acre alone ..	Price on application		
14 Wood Meadow. 30 lbs. per acre .....	.80	10.50	70.00

PRICES ON GRASSES SUBJECT TO MARKET CHANGES

Note—If grasses are wanted by parcel post, allow for postage when remitting.

MICHELL'S HIGH GRADE FARM SEEDS

PRICES SUBJECT TO MARKET CHANGES



Crimson Clover

CLOVERS

Alfalfa or Lucerne (*Medicago Sativa*). It is sown during May, August and September. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa goes into this carefully and is free for the asking. Sow not less than $\frac{1}{2}$ bushel (30 lbs.) per acre preferably with no other crop. Our seed will give the best of results.
Choice Non-Irrigated Western Grown Seed. Price on application.

Grimm Alfalfa. Claimed to be hardy in any and all regions, a heavy yielder and of deeper rooting ability. It requires about 10 lbs. of Grimm Alfalfa to properly seed an acre on account of its great root system and spreading habit. Price on application.

Alsike or Swedish Clover (*Trifolium Hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition, it grows from 1 to 2 feet high. Sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. The flower resembles the white clover, except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price on application.

Bokhara or Giant Sweet Clover (*Melilotus Alba*. Syn *M. Leucantha*). Used either as a feed crop or as a fertilizer to plow under. Grows from 4 to 6 feet high, thriving on almost any kind of soil. If you have thin, rocky, hard or sour soil, which you wish to enrich, this is just the crop for you to grow. It will make two hay crops the first year. **We handle only the true, white-flowered variety.** Sow 15 lbs. per acre in early spring alone, or 10 lbs. per acre with other crops. Price on application.

Crimson Clover (*Trifolium Incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. Price on application.

Mammoth Red Clover (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone or with other crops 10 lbs. per acre; flowers pink. It can be harvested several times in a season. Price on application.

Red Clover, Medium (*Trifolium Pratense*). More widely known and used than any other, used principally for hay purposes. Height from 18 inches to $2\frac{1}{2}$ feet. Sow early in the spring or in late summer—July and August, if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. It is not hardy for a period of years, being usually resown every third season. Flowers pink. Price on application.

CLOVERS (Continued)

White Dutch or Lawn Clover (*Trifolium Repens*). This is valuable for pasturage; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best, flowers greenish white. Sow 10 to 12 lbs. per acre if alone or 5 lbs. if sown on old turf or with other crops. $\frac{1}{4}$ lb., 20c.; 75c. lb.; 5 lbs., \$3.65; \$7.00 for 10 lbs. Price for larger quantity on application.

DWARF ESSEX RAPE

For pasturing sheep and hogs. Sow 6 lbs. per acre broadcast. Price on application.

WINTER RYE

Penna. Large White. Sow 1 to $1\frac{1}{2}$ bushels per acre during fall. An excellent green food in spring, and may be used for turning under or harvesting. Price on application.

Rosen. A new strain, very long, stiff straw, large yielder, producing almost 50% more than ordinary rye. Price on application.

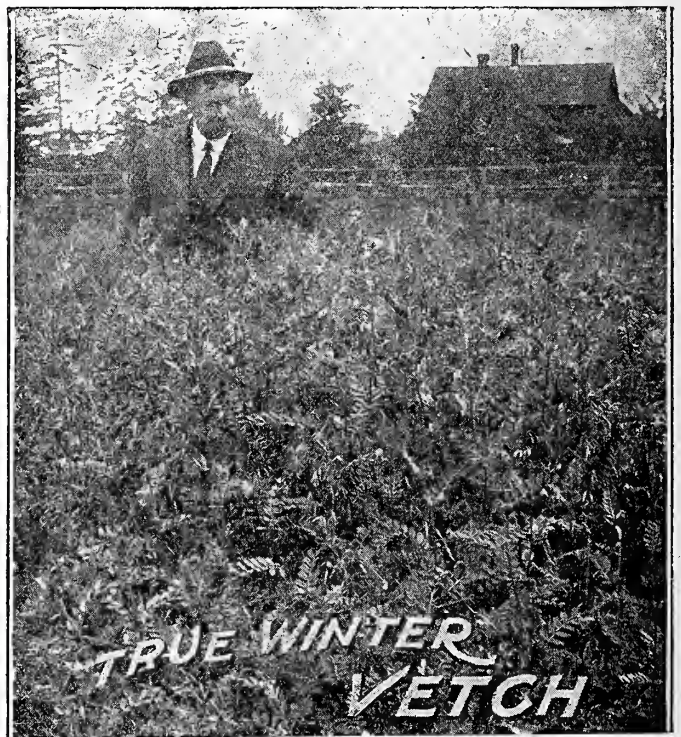
RECLEANED TIMOTHY

Our stock is of very best quality; for sowing among wheat as a second-year hay crop or for sowing alone for a first-year hay crop this is extensively used. Sow $\frac{1}{2}$ bu. per acre alone or 6 to 8 qts. with wheat. Write for price.

WINTER VETCH (*Vicia Villosa*)

True Sand or Hairy Vetch

Our stock of this is the true type, which will absolutely live throughout the winter. There is also an English strain on the market which is not hardy in the Northern sections of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed. It is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed in as green manure, or when in flower, cut for hay. All stock relish it keenly. Price on application.



Four-Rowed Fultz



CHOICE SEED WHEAT

FOUR-ROWED FULTZ (Beardless)

Four-rowed Fultz has a tendency to produce spikelets composed of four grains of wheat arranged in a row close together. Although the heads are only of medium length, in most cases they contain more wheat than heads of other varieties that are much longer.

Four-rowed Fultz is **extremely early**. The berry is of medium size, hard, red in color. Chaff is white. Straw is of medium length, strong and stiff.

On average and rich soils, Four-rowed Fultz will give straw of great length, will stool out wonderfully, making a thick growth.

Four-rowed Fultz has numerous records of yield of 40 bushels per acre on average land. On select land as much as 50 bushels per acre has been harvested. Sow $1\frac{1}{2}$ to 2 bushels per acre.

"FULTZO-MEDITERRANEAN" (Beardless)

This is a cross of the "Fultz" and the old "Mediterranean" Wheats. The berry is short, plump and red. Chaff white and smooth. The heads are of medium length, very compact, well filled and inclined to widen at the top. For earliness or stiffness of straw it cannot be excelled. It stools well and $1\frac{1}{4}$ to $1\frac{1}{2}$ bushels per acre is sufficient to sow. It frequently produces over 40 bushels per acre.

LANCASTER FULCASTER (Bearded)

A reselection from the old "Fulcaster" and one of the purest wheats now offered.

There are few other varieties that will do quite as well on soils of average quality. Farmers who are not able to raise even fair crops on rather thin soils should sow "Lancaster-Fulcaster." Even under adverse conditions this variety will produce a satisfactory crop of straw and a surprising crop of grain. The grain is of finest quality, a genuine long berry, dark red and hard. The chaff is white and the straw is long and stiff.

Lancaster-Fulcaster will carry through extreme winters and withstands attacks of insect pests and disease better than any other variety. Sow $1\frac{1}{2}$ to 2 bushels per acre.

LEAP'S PROLIFIC (Beardless)

A most prolific variety indeed, and may be relied upon to give big crops. It stools out strongly and roots deeply. The grain is large, dark red and of the best milling qualities. The heads are large, the chaff is beautiful white and is without beards. "Leap's Prolific" is one of the earliest to ripen and we recommend it as an all around good variety. Sow $1\frac{1}{2}$ bushels per acre.

"MIRACLE" (Bearded)

This valuable Wheat was introduced by us in the vicinity of Philadelphia in 1911. It produces a magnificent, heavy growth of straw, which is very stiff and erect. The head is bearded and contains well-shaped wheat berries of a semi-hard red nature of excellent milling qualities. It is a tremendous stooler, one grain producing as many as 25 stalks with often 45 grains to the head or stalk. It is readily seen that this wheat should produce on average conditions an enormous crop, its usual rating being anywhere from 40 to 50 bushels per acre under average conditions. The introducer impressed upon us very forcibly **not to recommend the sowing of more than one-half bushel per acre**, as if seeded heavier it is liable to choke itself, on account of its free stooling habit. It is early to mature and produces straw often 5 feet high.

PRICE'S WONDER (Bearded)

It bears the **longest heads of any wheat** we know of and thrives under the roughest treatment. It may be sown very late in the fall under the most adverse conditions with every confidence of profitable crops to follow.

Our grower says that everything about Price's Wonder is long. Long in the berry, long in the straw, very long bearded heads and long in the yield. The grain is hard and dark red, while the chaff is white. The straw is long and stiff. $1\frac{1}{4}$ to $1\frac{1}{2}$ bushels per acre is all you need to sow.

Prices of Seed Wheat fluctuate constantly and will be quoted on application.



Price's Wonder
Red Wheat

MICHELL'S FIELD GROWN ROSES for planting this autumn

After November 1st we will be in position to supply strong field-grown roses for planting out at that time, (a list may be had on request). You will save time and money by buying and planting them this autumn, shipment of this stock can safely be made by parcels post. Our stock consists of Hybrid Perpetuals, Hybrid Teas, and Climbers.

Price for strong field-grown stock is: 60c. each; dozen, \$6.00.

SEEDLINGS

Ready after September 15th.

Many gardeners prefer to purchase their supply of these instead of growing them and for those we have produced a fine lot of the following, which will be ready about Sept. 15th:

Pansies. Michell's Giant Exhib. Strain.

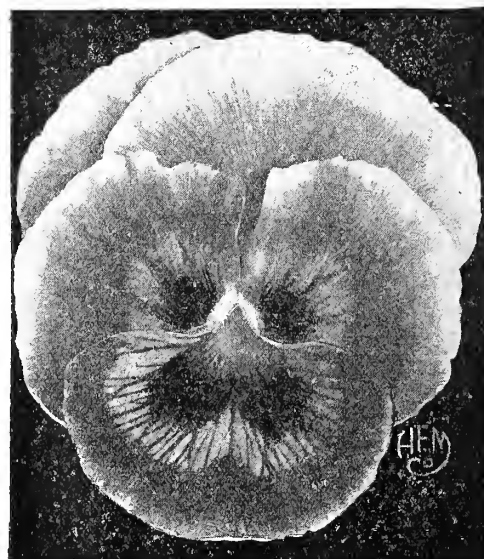
Bellis. Monstrosa. Giant English Daisy, in pink and white, each separate.

Myosotis (Forget-me-not). Alpestris Victoria.

Any of the above can be supplied in not less than 100 of a kind. \$1.50 per 100; per 1000, \$10.00.



Hybrid Tea Rose



Type of Michell's Giant Exhibition Pansy, 2-3 Size



Carnation

Field Grown CARNATION PLANTS

These are ready now in fine condition for either potting or for planting in benches, our list contains the leading sorts but owing to the uncertainty of the supply of the exact varieties customers are requested to select the colors desired leaving the variety to us. Prices, \$3.50 per doz.; per 100, \$25.00.

VIOLET PLANTS

These extra-fine plants will flower freely under glass in winter or in cold-frames and outdoors in the early spring.

Lady Hume Campbell. Double, light blue. (Pot-grown.)

Princess of Wales. Single blue.

Prices for any of the above extra large plants, 25c. each (by mail, 30c.); \$2.25 per doz.; per 100, \$15.00.

Our Violets are extra large field-grown clumps and are worth many times more than small plants at low prices.

Testimonial.

Manderson, S. D., June 3, 1919.

You certainly take the cake for packing plants well. That basket of plants you sent me by express was just opened yesterday, just one month after they left your hands. Every plant was in perfect condition. Your seeds also are unusually fine.

EDGAR M. KEITH.

No plants can be shipped C. O. D. All prices subject to change.

(bb)

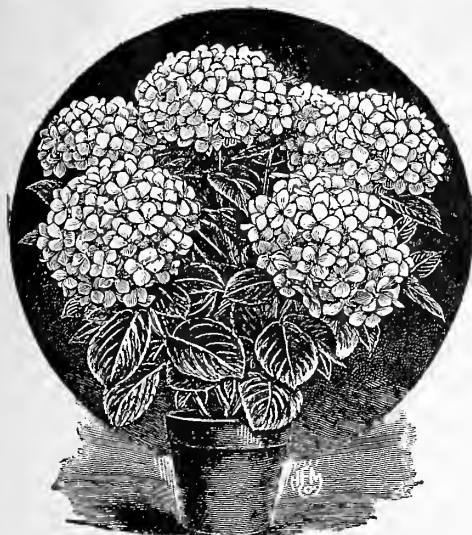
MICHELL'S HYDRANGEAS for forcing

Private gardeners and others with greenhouses will find hydrangeas splendid as winter flowering pot plants, and for Easter. Many heretofore popular plants such as Spireas, Azaleas, Rhododendrons and the like are unobtainable; Plants of Hydrangeas placed in a moderate greenhouse temperature may be forced at will and are beautiful indeed, our list embraces the best sorts. The Otaksa variety is planted outdoors extensively for summer bloom, but we do not recommend setting them out in the autumn.

Special Note—Blue is a color that is not fixed in Hydrangeas. It is controlled sometimes by climatic, and other times by soil conditions; we cannot supply blue flowering Hydrangeas.

Avalanche. White.
Beaute Vendomoise. White, tinted pink.
Botaniste Peltrean. Pink.
Bouquet Rose. Pink.
Eclairer. Carmine rose.
Genl. de Vibraye. Bright rose.
Harmonie. Fringed, white, tinted rose.
Joconde. Pure white, very large.
La France. Pure white, rosy eye.
Lakme. Cream white, shaded pink.
La Lorraine. Pale rose pink.

La Perle. White, large fringed flowers.
Liberte. Fringed, white shaded light rose.
Louis Mouilliere. Fringed, deep rose pink.
Magenta. Clear rose.
Mme. A. Rosenkraenzer. Mauve.
Mme. Foucard. Ruby rose.
Mme. Nicholas Lambert. Pale rose.
Mme. Rene Jacquet. Flesh pink.
Otaksa.
Souv. de Mad. Chautard. Pink.



Hydrangea La France

Prices of any of the above Hydrangeas

	Each	Doz.
2½-inch pots	\$0.25	\$2.00
4 -inch pots .....	.50	5.00
6 -inch pots .....	.75	8.00

MICHELL'S DECORATIVE PLANTS

(For Greenhouse and Conservatory.)

Asparagus Sprengeri for baskets and for cutting, strong plants in 3- and 4-inch pots.

Asparagus Plumosus. For filling ferneries, for cutting, etc., strong plants in 3- and 4-inch pots.

Crotons. Our grower has an enormous variety of these nicely colored in 4-, 5- and 6-inch pots.



Ficus Pandurata

Dracaenas. Our list comprises the best sorts such as Terminalis, Frangans, etc. Strong plants can be furnished in 6-inch pots.

Cibotium Schiedei. The beautiful wavy fronds of this variety make it stand out as in a class all by itself. We can furnish choice plants in 6-, 7- and 8-inch pots and specimens in tubs.

Cyclamen. In the autumn and winter we expect to have our usual supply of these in 4-, 5- and 6-inch pots.

Ferns, Table Varieties. Our collection of these is large. We can furnish them either in a wide assortment mixed, or separate varieties for special purposes. Strong plants, 3-inch pots.

Ferns, Nephrolepis Varieties. This collection includes, Whitmanii Scotti, Harrisii, etc. Choice plants principally in 6-inch pots.

Ficus, Rubber Plants. These are becoming quite scarce owing to their restricted propagation, we can furnish the varieties *Pandurata* and *Elastica*.

Palms. Those who desire to restock their greenhouses, which may have for patriotic reasons been empty the last few years, may safely entrust their wants in the palm line to us. Our grower reports an unusually fine stock of *Kentia*, *Belmoreana* and *Forsteriana*, *Cocos*, *Phoenix*, *Arecas*, etc., some varieties can be furnished either in pots or tubs.

Prices for any of the above Decorative Plants will be quoted on application.



Croton

Testimonials

Sunbury, Pa.

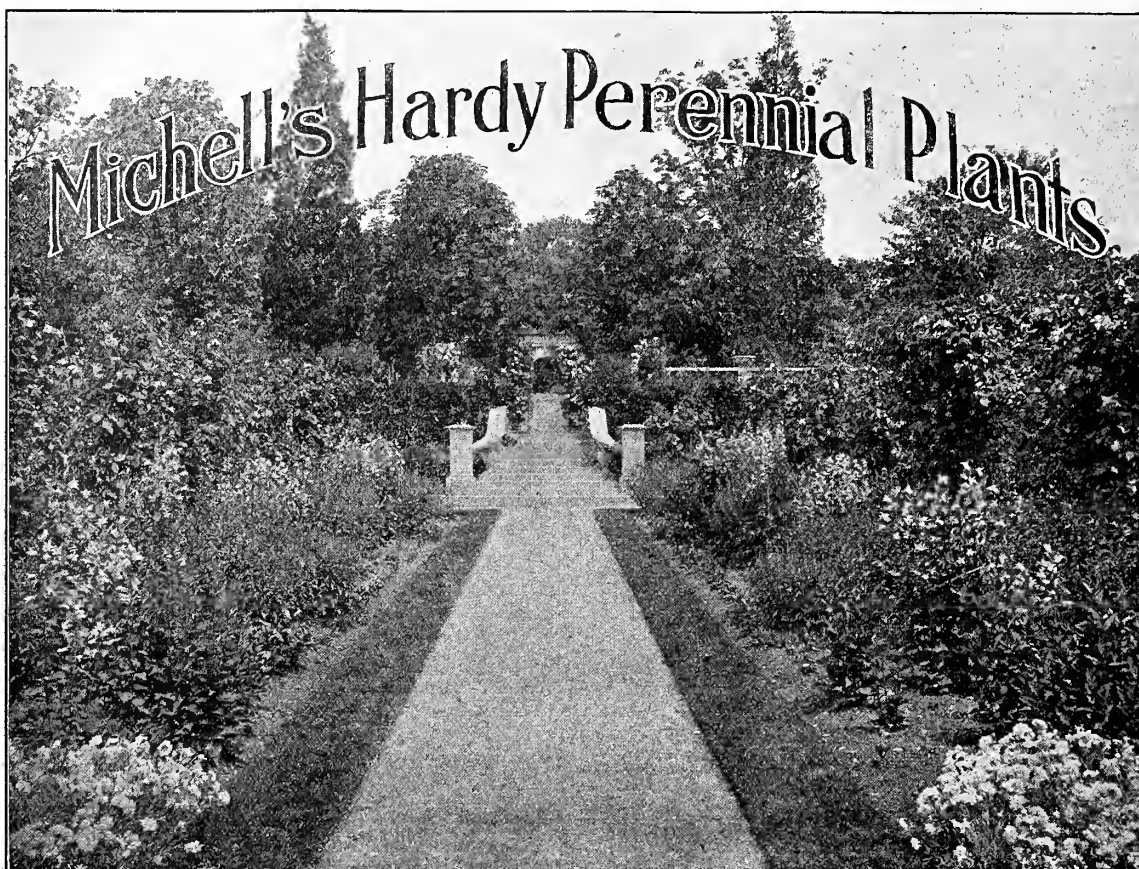
In the past two years I have planted 149 roses and have not lost one. Those you sent me last year were fine.

J. B. HAUPT.

Mt. Morris, N. Y.

Plants arrived yesterday and I want to compliment you on the quality. They were carefully selected, well packed and arrived in fine condition.

E. C. SEYMOUR.



Results like this can be obtained by planting Michell's Hardy Perennials

ACHILLEA (Sneezewort)

A graceful plant with finely cut foliage. Flowers the entire summer.

Boule de Neige (Ball of Snow). An improvement on The Pearl; flower pure white; 2½ feet high.

Ptarmica Grandiflora, Fl. Pl. An improvement of the Ptarmica Plena; flowers much larger.

Price of any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

AGROSTEMMA (Rose Campion)

Coronaria (Mullein Pink). Tufts of silvery foliage throwing up many silver-lined stems 2 feet high, with bright single crimson flowers during June. 25c. each; doz., \$2.50; \$15.00 per 100.

ANCHUSA ITALICA

(Sea Bugloss)

Dropmore Variety. Plants grow 4 feet high in pyramidal shape; branch freely and are loaded with bright blue forget-me-not-like flowers in June; very showy and valuable. 30c. each; doz., \$3.00; \$17.50 per 100.

Opal. Similar to the above, with large pale blue flowers; from May to July. 30c. each; doz., \$3.00; \$17.50 per 100.

ANTHEMIS (Marguerite)

Tinctoria. Large daisy-like golden flowers. 25c. each; doz., \$2.50; \$15.00 per 100.

ARMERIA (Sea Pink or Thrift)

Maritima Splendens. Bright rosy pink; 12 inches. 25c. each; doz., \$2.50; \$15.00 per 100.

Maritima Alba. Forms neat tufts studded with white flowers. 25c. each; doz., \$2.50; \$15.00 per 100.

ARABIS (Rock Cress)

Dwarf bushy plants, six inches high; ideal for rockeries and borders.

Alpina. Single snowy-white flowers. 25c. each; doz., \$2.50; \$15.00 per 100.

AQUILEGIA (Columbine)

For spring flowers these are invaluable, producing their graceful spurred flowers on stems rising 2 feet over their elegant foliage, during May and June.

Canadensis. Bright red and yellow.

Chrysantha. Bright yellow, long flowers.

Chrysantha Alba. Pure white, long spurred.

Coerulea. Blue and white, long spurred.

Flabellata Nana Alba. Dwarf; pure white.

Helena. A large blue flowering sort with pure white spurs.

Rose Queen. Delicate pink, long spurred flowers.

Michell's Hybrids. A grand mixture of long spurred varieties.

Price of Aquilegias, 25c. each; doz., \$2.50; 100, \$15.00.

ARTEMISIA

Abrotanum (Old Man). Dark green foliage, with a pleasant aromatic odor.

Lactiflora. An excellent perennial with flower stems 3 to 4 feet long, covered with creamy white flowers. August until late September.

Stellariana (Old Woman). Silvery foliage; extensively used for carpet bedding; 18 inches.

Price of Artemisias, 25c. each; doz., \$2.50; \$15.00 per 100.

ALPINE ASTERS

Flowering in June and July. For rock-work they are almost indispensable.

Alpinus (Blue Mountain Daisy). Flowers bright purple; 6 inches high.

Alpinus Albus. White flowers, 6 inches.

Amellus Preciosa. Deep dark violet.

Price of Alpine Asters, 25c. each; doz., \$2.50; \$15.00 per 100.

ASTILBE

They like a half shaded location, and plenty of moisture.

Davidii. The stems, which are 5 to 6 feet high, are crowned with feathery plumes of deep rose violet flowers; June-July, 30c. each; doz., \$3.00; \$17.50 per 100.

Grandis. The panicles of white flowers are frequently 2½ feet long; very attractive; fine foliage; blooms July-August. 30c. each; doz., \$3.00; \$17.50 per 100.

For other Astilbes see page 39



Aquilegia or Columbine (See Page 38)

ASTILBE ARENDSI

The plants of this Spiraea type are of vigorous growth; 2½ to 3 feet high, producing branched feathered heads of flowers in June and July.

Ceres. Brilliant lilac rose.

Juno. Vigorous grower, with plumes of a deep violet color.

Venus. Plumes are of a brilliant purplish pink color.

Vesta. Light lilac rose plumes.

Prices of the above Astilbes 40c. each; doz., \$3.50; per 100, \$25.00.

AUBRIETIA (Wall Cress)

A suitable plant for rock gardens; the broad mass of light green foliage is covered with a sheen of flowers in spring and summer; 6 inches high.

Bougainvillei. Very showy, purple flowers.

Graeca. Deep purple.

Leichtlini. Bright reddish crimson.

Price of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

BAPTISIA (False Indigo)

Australis. Foliage is dark green, deeply cut; the flowers are dark blue, borne on spikes, in June and July; 2 feet high.

Tinctoria. Spikes of bright yellow blossoms, 2-3 feet.

Price of Baptisias, 25c. each; doz., \$2.50; \$15.00 per 100.

BOLTONIA (False Chamomile)

Tall-growing, showy plants, with hardy aster-like flowers, appearing in September; 5 to 7 feet.

Asteroides. Pure white; 5 to 6 feet.

Latisquama. Pink, tinted lavender; 6 feet.

The above, 25c. each; doz., \$2.50; \$15.00 per 100.

CALIMERIS (Starwort)

Incisa. Attractive border plant, growing from 1 to 1½ feet high. The daisy-like flowers are of a delicate lavender shade, with a yellow centre; July to September. 25c. each; doz., \$2.50; \$15.00 per 100.

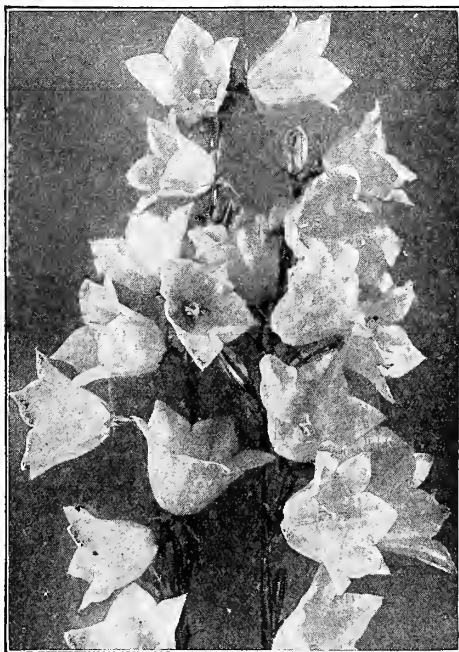
CALLIRHOE (Poppy Mallow)

Involucrata. Large crimson flowers, with white centre; much resembling a giant mallow or Hibiscus; blooms all summer. 25c. each; doz., \$2.50; \$15.00 per 100.

Lineariloba. Large Poppy-like flowers, crimson and white; 9 inches; June-September. 25c. each; doz., \$2.50; \$15.00 per 100.

CARYOPTERIS

Mastacanthus (Blue Spiraea). A hardy perennial of the easiest culture, flowering in September and October. The flowers are light blue; 2 feet high. 25c. each; doz., \$2.50; \$15.00 per 100.



Platycodon or Bell Flower (See Page 46)

CENTAUREA

(Perennial Cornflower)

Fine border plants, producing flowers suitable for cutting; 2 feet high; flowering from July to September.

Dealbata. Bright rose; 18 inches high.

Macrocephala. Golden yellow.

Montana. Rich violet blue.

Montana Alba. Pure white.

The above 25c. each; doz., \$2.50; \$15.00 per 100.

CERASTIUM (Mouse Ear)

Tomentosum. A low, creeping evergreen, with silvery foliage and white flowers. Good for rockeries, much used for covering graves; does well in the sun. 20c. each; doz., \$2.00; \$12.00 per 100.

CHELONE (Shellflower)

Handsome plants, growing 2 feet high, and bearing numerous spikes of large flower heads during summer and autumn.

Lyoni. Lovely soft pink flowers.

Lyoni Speciosa. Dwarf, light pink.

Price of Chelones, 25c. each; doz., \$2.50; \$15.00 per 100.

CHRYSANTHEMUM

Arcticum (Arctic Daisy). A native of Alaska. It is very attractive, having pretty dark green foliage, and multitudes of pure white flowers, 2 to 2½ inches across. Sept. to Nov. 25c. each; doz., \$2.50; per 100, \$15.00.

CIMICIFUGA (Snake Root)

Dahurica. Bold, erect flower stems, over 4 feet high with a wealth of creamy white flowers in August and September. 25c. each; doz., \$2.50; \$15.00 per 100.

Simplex. The spikes, 2 to 3 feet long, are covered with beautiful white flowers; excellent for cutting. 50c. each; doz., \$5.00.

CLEMATIS (Shrubby)

Davidiana. A beautiful variety, with bell-shaped deep blue fragrant flowers; 3 feet high; August and September. 25c. each; doz., \$2.50; \$15.00 per 100.

Recta. Very effective plant, with large showy clusters of pure white flowers. 25c. each; doz., \$2.50; \$15.00 per 100.

COREOPSIS

Lanceolata Grandiflora. Flowers rich golden yellow of graceful form and fine for cutting. The flowers are produced in thousands on a single plant; June till October; 3 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

Verticillata. Flowers rich golden yellow. 2 feet. 25c. each; doz., \$2.50; \$15.00 per 100.



Dianthus or Hardy Pinks (See page 40)

CORONILLA (Crown Vetch)

Varia. A rampant creeper with handsome globular flower heads of showy bright pink and white sweet pea-shaped flowers. 25c. each; doz., \$2.50; \$15.00 per 100.

DIANTHUS (Garden Pinks)

They are brilliantly colored flowers, and have a rich clove scent. They are at their height of bloom in June.

Deltioides (Maiden Pink). A continuous flowering variety with pink flowers. Especially suited for rock work.

Deltioides Alba. A white flowered variety. Price of Dianthus, 25c. each; doz., \$2.50; \$15.00 per 100.

DELPHINIUM (Larkspur)

In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground, the latter should have a good natural drainage. Never use animal manure in planting Delphiniums, unless it has been incorporated in the soil a year before planting. Pure bone-meal is the best fertilizer in promoting growth, apply with it also some wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads in succession. To get the best out of hardy Larkspurs in the way of flowers, feed them occasionally during the growing season with an application of ground boue. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

Bella Donna. The freest and most continuous blooming of all. The clear turquoise-blue flowers are not surpassed by any. 25c. each; doz., \$2.50; \$17.50 per 100.

Chinense Album. Same as above in white. 25c. each; doz., \$2.50; \$15.00 per 100.

Chinense Azureum. Plants grow but 2 feet tall, branch freely, each branch terminating with a loose spray of single flowers; color, a deep clear blue. 25c. each; doz., \$2.50; \$15.00 per 100.

Formosum. Dark blue, white centre, spikes 3 to 4 feet tall, vigorous; free blooming. 25c. each; doz., \$2.50; \$15.00 per 100.

Michell's New Hybrids. Mixed. These are the cream of seedlings from a famous strain of English varieties. 25c. each; doz., \$2.50; \$17.50 per 100.



Chrysanthemum Arcticum (See Page 39)

DICTAMNUS (Gas Plant)

One of the hardiest of all perennials, which often will last for a generation and longer. The foliage is fragrant while the spikes of rather oddly shaped flowers emit a luminous vapor, which is said to be inflammable. Height about 2 feet, flowering in June and July.

Fraxinella. Pink flowers, dark veins.

Fraxinella Alba. Pure white.

Each of the above, except where noted. 25c. each; doz., \$2.50; \$15.00 per 100.

DIELYTRA (Bleeding Heart)

Spectabilis. One of the most beautiful border and shrubbery plants, with graceful, fern-like foliage and attractive heart-shaped pink and white flowers appearing in April. Large roots. 35c. each; doz., \$3.75; \$25.00 per 100.

ECHINOPS (Globe Thistle)

Ritro. For shrubberies and borders, producing handsome, blue, globular flowers; valuable for cutting. 3½ feet. 25c. each; doz., \$2.50; \$15.00 per 100.



Dielytra Spectabilis

EPIMEDIUM (Bishop's Hat)

Small orchid-like flowers; April-May.

Alpinum. Reddish violet.

Bicolorum. Red and yellow.

Niveum. Pure white.

Sulphureum. Sulphur-yellow.

Price of Epimediums, 25c. each; doz., \$2.50; \$15.00 per 100.

EUPATORIUM

This is an effective plant, which produces fuzz-like flower heads. August till frost. It is fine for cutting.

Ageratoides (White Snakeroot). Pure white. 3 to 5 feet, flowering in August and September; a fine native plant.

Coelestinum. Light blue, flowering in August; 18 to 24 inches.

Purpureum Maculatum (Joe Pye Weed). Flower heads purple to flesh color. 4 to 6 feet.

The above 25c. each; doz., \$2.50; \$15.00 per 100.



Gaillardia

FUNKIA (Plaintain or Day Lily)

These attractive plants make fine effects, nothing is more handsome in a garden border or a hardy bed edged with the dwarf green and a variegated foliage of the Media Picta variety, also does well in shade.

Coerulea. Dark green foliage, with light blue flowers.

Subcordata Grandiflora Alba. This is a large loose-growing variety, with large blue flowers and broad foliage.

Undulata Media Picta. Green foliage, with distinct white markings. Lavender blue flowers. This is the best of the edging varieties.

Price of Funkias, 25c. each; doz., \$2.50; \$15.00 per 100.

GAILLARDIA (Blanket Flower)

One of the most useful of the hardy flowers. When planted in clumps, beautiful flowers are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

Grandiflora. Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disc. 25c. each; doz., \$2.50; \$15.00 per 100.

GENTIANA (Gentian)

These are amongst the most desirable of Alpine plants and are of one of the prettiest shades of blue to be found in the garden.

Andrewsi (Closed Gentian). Large terminal and auxiliary clusters of blue flowers, about 2 feet high. July-August. 25c. each; doz., \$2.50; \$15.00 per 100.

Testimonials

Cape May, N. J.

You ought to see the Butterfly Bushes in my garden, obtained from you. Some bushes are 11 ft. high and 9 ft. through, literally covered with flowers.

J. C. GALLAHER.

Boston, Mass.

The Laurel Plants arrived in good condition and are planted. I appreciate you sending me such good quality.

L. B. HUTCHINS.

Our Hardy Perennials are extra strong and will give splendid satisfaction.



Helenum

GEUM (Avens)

Bright, showy flowers, which appear in great abundance in the early summer and fall, growing about 18 inches high. Attractive in border plantings.

Mrs. Bradshaw (New). Double, bright scarlet; 18 inches. 25c. each; doz., \$2.50; \$15.00 per 100.

GYPSOPHILA (Baby's Breath)

During August and September this is a mass of delicate flowers. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep perfectly for months without water.

Paniculata. Feathery sprays of white flowers; useful for effects in bouquets. 25c. each; doz., \$2.50; \$15.00 per 100.

HELIOPSIS (Orange Sunflower)

Pitcheriana. Very similar to a small sunflower, but flowering earlier; deep golden yellow; June till frost; 3 feet high.

Scabra Zinniaeflora. A new double flowering form; somewhat resembling a Zinnia in shape; fine for cutting; July to August; 2 feet.

Price of Heliopsis, 25c. each; doz., \$2.50; \$15.00 per 100.

HELENIUM (Sneezewort)

These desirable perennials succeed in almost any soil in a sunny location. The flowers are splendid for cutting.

Autumale Rubrum. Bright terra-cotta red; 5 feet.

Autumale Superbum. Massive spreading heads of deep golden yellow flowers; August-October; 5 feet.

Cupreum. Orange crimson; 2 feet.

Hoopesi. Orange yellow; large flowers 2½ inches across; June-July; 2 feet.

Riverton Beauty. Rich lemon-yellow with dark purple cone; 4 feet; August.

Price of Heleniums (except where noted), 25c. each; doz., \$2.50; \$15.00 per 100.

HELIANTHUS (Hardy Sunflower)

They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes.

Multiflorus fl. pl. Large, double golden yellow; July-August; 4 feet.

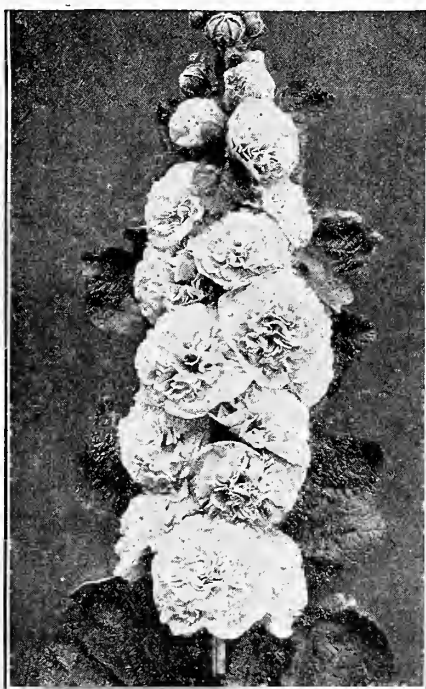
Orygalis. Golden yellow; small flowered; long, narrow foliage; September; 5 feet.

Maximiliana. Blooms profusely in October; the fine golden yellow flowers appear in long, graceful sprays; splendid for cutting; 5 to 7 feet.

Rigidus Miss Mellish. Semi-double flowers; 4 to 5 inches across; very long petals of golden yellow; good for cutting.

Rigidus (The Prairie Sunflower). Flowers golden yellow, smaller than Miss Mellish; July till autumn; 5 feet.

Price of the above Helianthus, 25c. each; doz., \$2.50; \$15.00 per 100.



Hollyhocks

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply plants of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

ORNAMENTAL GRASSES

Arundo Donax (Giant Reed). Tall variety with bluish-green foliage, frequently attaining a height of 20 feet.

Arundo Donax (Fol. Varieg.). This variety has variegated foliage. 35c. each; doz., \$3.50.

Elymus Glaucus. A handsome grass, with narrow glaucous silvery foliage.

Erianthus Ravenneae (Plume Grass or Hardy Pampas). Deep green narrow foliage, growing about 10 feet high.

Eulalia Gracillima Univittata (Japan Rush). Graceful narrow foliage, growing 5 to 6 feet high. Bright green with a silvery rib.

Eulalia Japonica. Green leaves.

Eulalia Japonica Variegata. An attractive kind with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

Eulalia Japonica Zebrina. Dark green foliage, is crossmarked horizontally a golden yellow. 4 to 5 feet high.

Gynerium Argenteum (Pampas Grass). This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. It varies in height from 7 to 10 feet.

Phalaris Arundinacea Variegata (Variegated Ribbon Grass or Gardener's Garter). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf.

Pennisetum Japonicum (Hardy Fountain Grass). One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height, 4 feet.

Price of any of the above Hardy Grasses (except where noted), 25c. each; doz., \$2.50; \$15.00 per 100.

HELLEBORUS (Christmas Rose)

They flower when practically nothing is in bloom outdoors, actually thrusting their beautiful blossoms through the snow. Height, 8 to 10 inches.

Niger. Pure white. 40c. each; doz., \$4.00.



Helianthus, Mult. Fl. Pl.

HEMEROCALLIS

(Yellow Day Lily)

Dumortieri. Very dwarf, flowering in June. Rich yellow flowers, bronze shaded on the back of petals.

Flava. Light yellow flowers; very fragrant; June and July; 5 feet.

Fulva. Trumpet-shaped flowers; orange colored shaded darker, blooms in June and July; 4 to 5 feet.

Kwanso Flore Pleno (Double). Coppery red; July; 3 feet high.

Prices of above Hemerocallis, 25c. each; doz., \$2.50; \$17.50 per 100.

HEPATICA (Liver Leaf)

Triloba. An interesting spring flowering plant, with pretty foliage and beautiful flowers. 25c. each; doz., \$2.50; \$15.00 per 100.

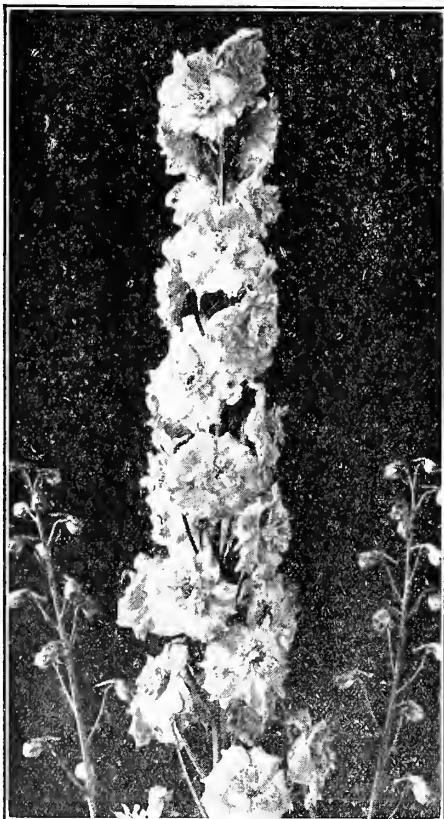
HEUCHERA (Alum Root)

Desirable dwarf plant of easy culture. Foliage remains close to the ground. During July and August the graceful thin flower-spikes, 2 feet high, appear in profusion.

Rosea. Light rose; 2 feet.

Sanguinea. Bright scarlet.

Price of Heuchera, 25c. each; doz., \$2.50; \$17.50 per 100.



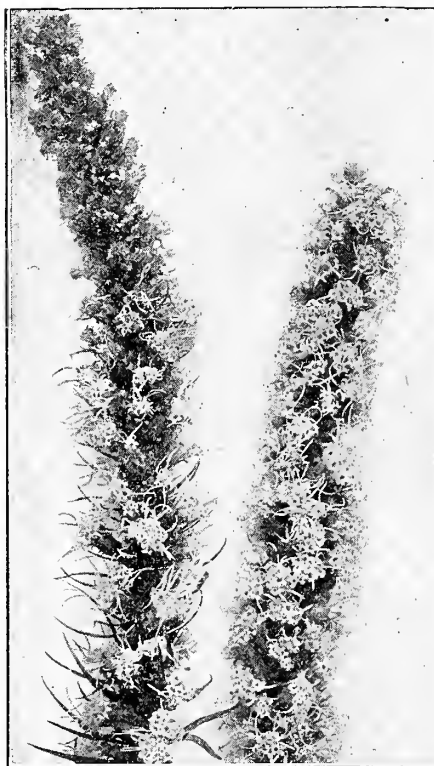
Delphinium—See Page 40

HIBISCUS (Mallow)

Crimson Eye. Purest white with deep crimson eye. July; 4 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

Moscheutos Roseus. Large bell-shaped flowers of delicate pink. 25c. each; doz., \$2.50; \$15.00 per 100.

New Giant Flowering. A wonderful improved form of our greatly admired Marsh Mallows. They attain a height of 6 to 7 feet, have beautiful lacinated foliage and monstrous flowers, measuring often 6 to 8 inches in diameter. We offer these in three separate colors. Pink, White, Red. 25c. each; doz., \$2.50; \$15.00 per 100.



Liatris Pycnostachia

HOLLYHOCKS

These thrive best in soil that is not too wet; which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter with leaves, long manure or straw.

Double Canary Yellow.

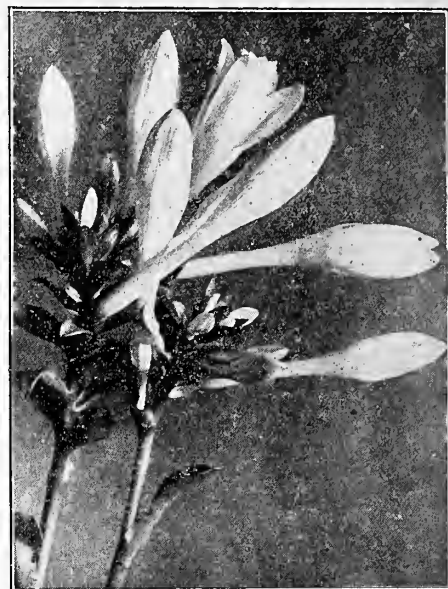
Double Crimson.

Double Newport Pink.

Double White.

Separate colors. Hollyhocks as above. 25c. each; doz., \$2.50; \$15.00 per 100.

Double Mixed, Single Mixed, Allegheny Fringed Mixed. Mixed Hollyhocks, as above, 25c. each; doz., \$2.50; 100, \$15.00.



Funkia

IBERIS (Hardy Candytuft)

The hardy Candytufts are low-growing plants, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers.

Sempervirens. Pure white flowers.

25c. each; doz., \$2.50; \$15.00 per 100.

IRIS (See page 44)**LIATRIS (Blazing Star)**

Tall flower spikes which loom up over the majority of other perennials; July till September.

Pycnostachia. Light rosy purple; 4 feet. 25c. each; doz., \$2.50; \$15.00 per 100.

LILIES (Hardy) (See page 11)**LILY OF THE VALLEY**

For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. 35c. each; doz., \$3.50; \$25.00 per 100.

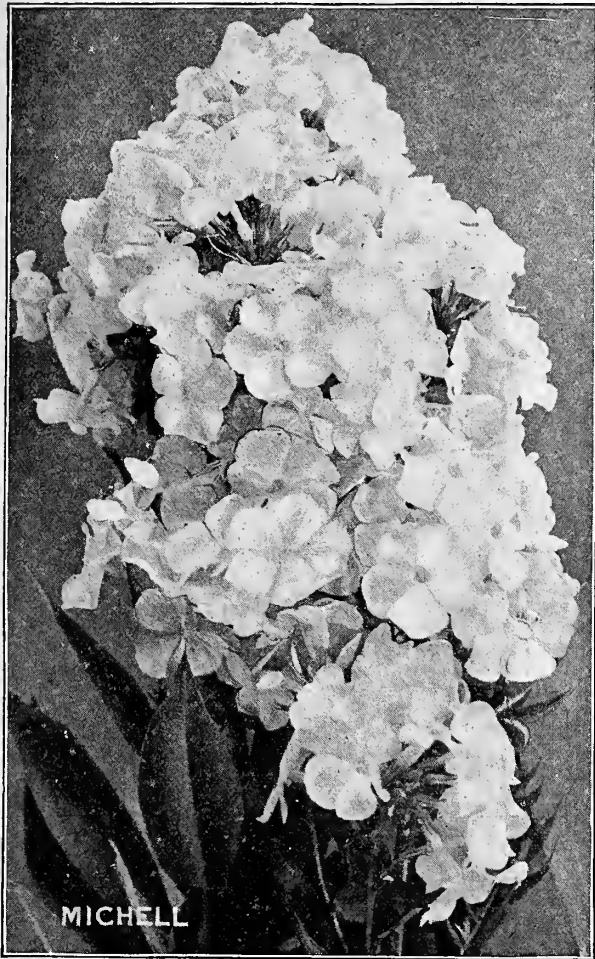
LINUM (Flax)

Perenne. Graceful foliage, blue flowers; 3 feet.

Perenne Alba. A white flowered form of the above.

Price of Linum, 25c. each; doz., \$2.50; \$15.00 per 100.

Michell's Book on "Hardy Perennials and How to Grow Them," compiled by an expert in hardy plants, contains 48 pages brimful of useful information on these popular subjects; offers suggestions as to the best kinds to plant under various conditions, gives plans for hardy borders, etc. Mailed free. Ask for a copy.



Hardy Phlox Mrs. Jenkins

The most effective border plants during August and September. They succeed in almost any soil enriched with manure. In partial shade the flowers last much longer than when grown in the full sun. If the first spikes of bloom are removed as soon as over, and the plants given a good soaking of water, they will produce a second supply of flowers, thus continuing until late in autumn. The varieties we offer represent the finest of the existing Hardy Phloxes.

Africa. Rich royal purple, suffused crimson.

America. One of the most free-flowering Pink Phloxes.

Baron von Dedem. Deep pink, suffused orange.

B. Comte. Brilliant rich purple; a distinct shade; the flower heads are very compact and attractive.

Braga. Rich lilac rose, immense trusses of great beauty.

Crepuscle (New). Very large flowers, shading from a deep crimson centre, through rose lilac to a white edge; a beautiful blending of colors.

Electra. A brilliant red, with a darker shade; one of the very best.

Elizabeth Campbell. Delicate refreshing pink with a white eye.

Eugene Danzanvilliers. Delicate lavender; very attractive.

Europa. Blush white, with a large deep pink centre, making it a very showy combination.

Fantasy. (Suffr.) Rosy mauve.

Frau Anton Buchner. Very large pure white flowers.

Frithjof. Light violet, without eye. The trusses are very large.

Goliath. The flower trusses are large and of a bright cerise color with deep eye.

Grideur. Soft rosy mauve, heavily suffused and overlaid with a lovely deep shade of cerise, giving the whole a beautiful mottled appearance.

Indian Chief. (Suffr.) Dark purple.

Iris. A deep reddish violet, of compact erect habit with flower trusses that rival any others for size.

Jules Sandeau. Dwarf; very large flowering; pure pink; extra fine variety and free bloomer.

Le Mahdi. A royal deep purple.

Madame Paul Dutrie. Delicate soft pink.

Minerva. Lilac rose, marked with white, with a bright earmine eye; showy spikes; very compact.

Miss Lingard. (Suffr.) White, lilac eye.

Montagnard. Deep purple claret; large spikes and flowers.

Mrs. Greenlees. (Suffr.) White, rosy centre.

Mrs. Jenkins. Of medium height, with immense clusters of pure white flowers; very effective when planted in masses.

Rheinstrom. A splendid new phlox with gigantic flowers of a bright pink.

Rosamundi. Immense trusses of a beautiful soft rose color.

Tapis Blanc. (New.) Undoubtedly the best semi-dwarf pure white. It flowers early and continues until late.

Von Lassburg. The Queen of all clear white phloxes; trusses and single flowers are immense in size.

W. C. Egan. One of the prettiest in our entire collection, the color being a pale lilac with an intense solferino red eye. It is of medium height and of branching habit, which means a free bloomer.

Widar. Light red, somewhat shaded violet. Each flower has a distinct white centre, which tends toward making the flower truss exceptionally showy. A free-flowering, attractive variety, which should be in every collection of Phloxes.

Price of all Phlox, 25c. each; doz., \$2.50; \$15.00 per 100.

PHLOX SUFFRUTICOSA

These differ from the others in that the foliage and stem are deep green and glossy, and they begin to blossom in June and remain in bloom until October. These are listed in regular alphabetical order above, marked thus (Suffr.) after the name. Price of these varieties is 25c. each; doz., \$2.50; \$15.00 per 100.

MISCELLANEONS PHLOXES

Amoena. A beautiful plant, with soft rose-colored flowers; one of the best for rockery or borders; 4 inches high; April-May.

Divaricata Canadensis. A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May.

Divaricata Alba Grandiflora. A white-flowered form of the above.

Ovata Carolina (Mountain Phlox). A handsome evergreen species of dwarf habit, with masses of rosy pink flowers; 10-12 inches; May and June.

Subulata Rosea (Moss Pink). Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.

Subulata Alba. The same as Rosea, with pure white flowers.

Price of any of the above Miscellaneous Phlox, 25c. each; doz., \$2.50; \$15.00 per 100.

MICHELL'S GIANT FLOWERING PAEONIES



Paeony Candidissima

No disease or insect ever troubles this plant. They delight in a sunny location in deep rich soil. After planting water regularly until you feel they are established and always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.

	Each	Doz
Agnes Mary Kelway. White tinted rose, cream centre; a very striking flower. Early	\$0.35	\$3.50
Alba Plena. A giant flower of the purest white; very double. Of superb fragrance. Mid-season .....	.35	3.50
Anemoneflora Rubra. Anemone form, having a broad collar; a beautiful dark crimson. Mid-season ....	.35	3.50
Beaute Francaise. Lilac-rose, with a cream white collar; very fragrant. Mid-season .....	.50	5.00
Berlioz. Perfect form. Large magenta rose color; silver tipped. Late .....	.50	5.00
Boule de neige. Very double, pure white; foliage is rich, deep green .....	.60	6.00
Candidissima. Creamy white, with a clear, sulphur yellow centre. Early .....	.35	3.50
Carnea Elegans. Of a clear flesh color, glossy reflex. A free bloomer. Mid-season .....	.50	5.00
Charlemagne. Excellent variety. White, with a light pink centre. Fragrant. Late .....	.35	3.50
Clarisse. Beautiful rose pink, with silvery pink centre; fine form and habit. Mid-season .....	.35	3.50
Couronne d'Or. Snowy white, with yellow reflex and deep pink edges on a few petals. Late .....	.60	6.00
Delachi. Large flowers of a deep purple color, free bloomer. Late .....	.35	3.50
Delicatissima. Pale lilac rose, free habit; fragrant, mid-season .....	.35	3.50
Due de Cazes. Bright pink, silvery reflex. Early...	.35	3.50
Due de Wellington. Large, sulphur-white flower of great fragrance and with long stems. Late .....	.50	5.00
Duchesse de Nemours. Pure white, with a sulphur-white centre; very early and extra fine. Early....	.35	3.50
Dr. Bretonneau. Lilac rose with cream white centre, flecked crimson. Mid-season .....	.35	3.50
Edulis Superba. Beautiful shaped flower of a bright mauve pink color, with narrow edges of lilac. One of the best early sorts .....	.35	3.50

	Each	Doz.
Eugenie Verdier. Giant globe-shaped flower of a soft pink color. Mid-season	\$0.60	\$6.00
Faust. Delicate flesh pink, with salmon centre. Mid-season .....	.35	3.50
Felix Crousse. Large bright red flowers on long stems. Mid-season .....	.60	6.00
Festiva. Large, full type, creamy white with crimson spots. Late bloomer .....	.60	6.00
Festiva Maxima. Beautifully shaped flower, 7 to 8 inches in diameter. Pure white, splashed red. Late .....	.50	5.00
General MacMahon. Large anemone-shaped flower of a deep violet color. Mid-season .....	.60	6.00
Grandiflora Rosea. Full globe-shaped flower, light salmon petals, salmon centre. Mid-season .....	.35	3.50
Lady Bramwell. Delicate silvery pink. Mid-season..	.35	3.50
La Perle. Very large; globular; deep lilac white, blush centre prominently flecked carmine; fragrant..	.60	6.00
La Rosiere. Imbricated petals of yellowish white with straw yellow centre. Mid-season .....	.50	5.00
L'Eclatante. Large globular flower of brilliant red color; very good variety. Mid-season .....	.35	3.50
L'Indispensable. Perfect shaped flower of a delicate creamy pink, shaded pink. Mid-season .....	.60	6.00
Louis Van Houtte. A rich shade of crimson maroon, an exceptionally fine large flower. Late .....	.35	3.50
Marie Lemoine. Delicate rose white, with a creamy centre .....	.60	6.00
Mme. Calot. Pale hydrangea pink, centre shaded darker; collar tinted silver; free bloomer .....	.60	6.00
Mme. Leonie Calot. Delicate rosy white, centre petals slightly tipped carmine. Mid-season .....	.60	6.00
Mons. Chas. Leveque. Rosy white, tipped carmine...	.40	4.00
Mons. Krelage. Grand flowers of a dark pink color. Large and compact. Late .....	.60	6.00
Queen Victoria. Pure white; cream centre. Mid-season .....	.35	3.50
Victor Hugo. One of the very best of red paeonies..	.60	6.00
Zoe Calot. Pure white; suffused rose. Mid-season..	.35	3.50

DOUBLE TREE PAEONIES

These very beautiful and free-flowering paeonies deserve to be included in every collection. They are from 2 to 3 weeks earlier than any other variety.

Our stock of these while comprised of named sorts, large-flowering varieties is in mixture only, so that we are unable to definitely determine the colors. However, they are so beautiful that any of the shades will prove a desirable acquisition.

Tree Paeonies. Extra strong plants, \$1.50 each; per dozen, \$16.50.

PAEONIA TENUIFOLIA Flore Plena

An early flowering species with fern-like foliage and double deep crimson flowers, a shade like the Jacq. Rose. Each, 30c.; per dozen, \$3.00; \$20.00 per 100.

PAEONY OFFICINALIS

This type is very large-flowering, coming into bloom earlier than most of the others; very fragrant and double.

	Each	Doz.	100
Officinalis Alba. Double white. Very early..	\$0.50	\$5.00	\$35.00
Officinalis Rosea. Double pink. Very early..	.50	5.00	35.00
Officinalis Rubra. Double red. Very early..	.50	5.00	35.00

PAEONIAS TO COLOR

	Each	Doz.	100
Double Red. Large roots	\$0.35	\$3.50	\$25.00
Double Pink. Large roots35	3.50	25.00
Double White. Large roots35	3.50	35.00

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Plants travel best by express or parcel post. No plants sent C. O. D.

(hb)



Iris Pumila

IRIS GERMANICA

(Fleur de lis)

	Each	Doz.
Dr. Bernice. Bronze and crimson	\$0.25	\$2.50
Eugene Sue. White, spotted blue .....	.25	2.50
Florentina Alba. White .....	.25	2.50
Gloire de Hillegom. Blue ....	.25	2.50
Grachus. Crimson and white ..	.25	2.50
Gypsy Queen. Lavender .....	.25	2.50
Her Majesty. Rose lilac .....	.25	2.50
Honorabilis. Yellow and bronze ..	.25	2.50
Innocenza. White .....	.25	2.50
Kharput. Deep blue .....	.25	2.50
Laura. Rich purple and white. ....	.25	2.50
Leonidas. Mauve .....	.25	2.50
Mad. Chereau. White and blue ..	.25	2.50
Mrs. G. Darwin. White, gold and violet .....	.25	2.50
Mrs. H. Darwin. White and violet .....	.25	2.50
Mrs. G. Ruethe. White, shaded gray .....	.25	2.50
Mrs. Neubronner. Deep yellow. ....	.25	2.50
Nuce d'Orange. Bronze .....	.25	2.50
Ossian. Yellow and violet .....	.25	2.50
Pallida Dalmatica. Lavender. ....	.25	2.50
Queen of May. Light pink .....	.25	2.50
Mixed. All colors .....	.15	1.50

IRIS INTERREGNA

Ceres. White	\$0.25	\$2.50
Charmant. Silver white .....	.25	2.50
Walhalla. Blue .....	.25	2.50

IRIS PUMILA (Shrubby Iris)

Die Brant. White .....	.25	2.50
Lutea. Yellow .....	.25	2.50
Violacea. Deep blue .....	.25	2.50

IRIS SIBIRICA

Orientalis. Deep blue .....	.25	2.50
Snow Queen. Pure white ....	.25	2.50
Orientalis Distinction. Violet blue; white falls .....	.25	2.50

IRIS KAEMPFERI (Japan Iris)

(Double or Six-Petaled Varieties)

These may be ordered by number or name.

12. Gosetsu-Mai. White veined and traced blue.
 43. Usho-No-Komure. Violet.
 9. Ho-O-Jo. Crimson purple.
 8. Mana-zura. Very large; white with blue lines.
 13. Onega-shina. Royal purple, white veins.
 14. Renjo-no-toma. Frilled petals white centre.
 10. Geishoi. Crimson purple.
 - R6. Tokyo. Double pure white.
- Single or Three-Petaled varieties.
30. Gekko-no-nami. Early pure white.
 11. Kan-ran. White, lightly suffused.
 21. Kimi-no-Megumi. White densely veined purple.
 27. Shippo. Light lilac veined purple.
 25. Yomo-Zakura. Light ground, densely suffused purple.
 20. Yayaura. White, marbled violet.

Price of any of the above-named Japan Iris, 35c. each; doz., \$3.50; \$25.00 per 100.
Japanese Iris, Mixed Colors. 25c. each; doz., \$2.50; \$15.00 per 100.



Lily of the Valley (See Page 42)

LYCHNIS (Campion)

- Chalcedonica. Heads of brilliant orange scarlet; 2 feet high.
- Chalcedonica Alba. White; 2 feet high.
- Chalcedonica Carnea. Flesh-colored.
- Haageana Hybrida. Brilliant shades of orange and scarlet, blooming in May and June; height, 12 inches.
- Viscaria (Ragged Robin, London Pride). Double red flowers on stalks 15 inches high, very showy; June.
- Viscaria Alba Grandiflora. Large double white; the evergreen foliage forms a dense tuft; flowers all summer. 50c. each; doz., \$5.00.
- Price of any of the above Lychnis (except where noted), 25c. each; doz., \$2.50; \$15.00 per 100.

OENOTHERA

(Evening Primrose)

- Eldorado. Double yellow; 10 inches.
- Fraseri. Deep yellow; 18 inches high.
- Missouriensis. Golden yellow; 10 inches.
- Speciosa. Pure white; 18 inches high.
- Price of any of the Oenothera, 25c. each; doz., \$2.50; \$15.00 per 100.

PACHYSANDRA

An evergreen trailing plant, with thick glossy foliage forming a dense mat.

Terminalis. Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 25c. each; doz., \$2.50; \$15.00 per 100.

PENTSTEMON (Beard Tongue)

- Barbata Salmonea. Long panicles of salmon rose flowers. 35c. each; doz., \$3.50.
- Diffusus. Deep purple; 1½ feet.
- Digitalis. Purplish white flowers.
- Price of the above (except as noted), 25c. each; doz., \$2.50; \$15.00 per 100.

PHYSOSTEGIA

(False Dragon Head)

Grows from 3 to 4 feet high, throwing up spikes decked with delicate tube-shaped flowers; July-August.

Virginica. Delicate soft pink.

Virginica Alba. Pure white.

Speciosa. Delicate pink.

Price of either of the above Physostegia, 25c. each; doz., \$2.50; \$15.00 per 100.

HARDY GARDEN PINKS

(Double)

- Carmen. A fine early light pink.
- Her Majesty. Pure white.
- Juliette. White, bordered crimson.
- White Reserve. Pure white.
- Price of any of the above hardy garden pinks (except where noted), 25c. each; doz., \$2.50; \$15.00 per 100.

Testimonial

Newnard, Cal.
Those Butterfly Bushes are growing wonderfully. I have them as high as 14 feet, and covered with bloom. I think they are great.

DR. C. L. GREGORY.



Phlox Divaricata (See Page 43)

PLATYCODON

(Japanese Bell Flower)

Very useful for cutting June until October. Height, 2 to 3 feet.
Grandiflora. Beautiful blue.

Grandiflora Album. Pure white.

Price of either of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

RUDBECKIA (Cone Flower)

These will furnish a supply of cut flowers from early July until September. They are extremely hardy, doing well with every one. They could be termed "a city garden perennial," doing so well with little attention.

Golden Glow. Double canary yellow; 6 feet; flowers in August.

Newmanni. Single dark orange with deep purple cone centre; 3 feet high.

Purpurea (Giant Purple Cone Flower). Flowers from July to September, 2½ feet high. Price of Rudbeckias, 25c. each; doz., \$2.50; \$15.00 per 100.

SCUTELLARIA

Coelestinum. A dwarf spreading Alpine plant, with bright blue flowers, splendid for rockeries; July-August. 25c. each; doz., \$2.50; \$15.00 per 100.

SOLIDAGO (Golden Rod)

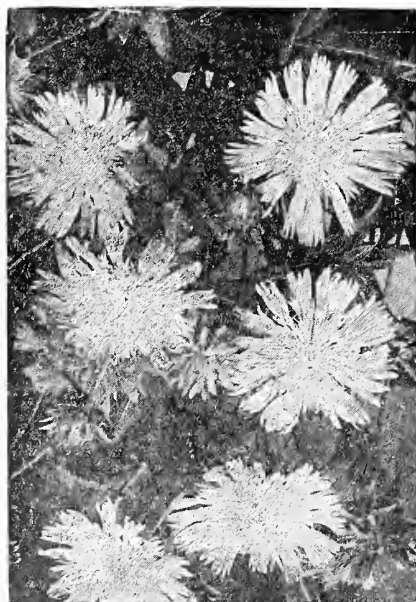
Golden Wings. Very showy; 5 feet high, with immense bright golden yellow flowers from July to September. 25c. each; doz., \$2.50; \$15.00 per 100.

STOKESIA (Cornflower Aster)

The flower has the appearance combining a giant cornflower and an aster; 18 inches. **Cyanea.** Very light blue.

Cyanca Alba. Pure white.

Price of the above, 25c. each; doz., \$2.50; \$15.00 per 100.



Stokesia

SEDUM (Stonecrop)

Acre. Yellowish foliage, bright yellow flowers; July-August; 6 inches.

Album. Green foliage, white flowers; height, 6 inches.

Sexangulare (Love'en'tangle). Dark green foliage; yellow flowers; 6 inches.

Sieboldii. Roundish foliage, with a blue cast, the flowers are bright pink.

Spectabilis. This variety grows about 18 inches and flowers in June; foliage light green, immense heads of pink flowers.

Spectabilis Brilliant. One of the prettiest tall-growing species, reaching a height of about 18 inches; broad light green foliage and richly colored flowers of amaranth red. September-October.

Price of any of the above, 25c. each; doz., \$2.50; \$15.00 per 100.

THERMOPSIS

Caroliniana. A showy, tall growing plant, 3 feet high; long spikes of yellow flowers in June and July. 25c. each; doz., \$2.50; \$15.00 per 100.



Hemerocallis (See Page 42)

TRITOMA (Flame Flower)

(Flame Flower, Torch Lily or Red Hot Poker Plant)

In summer and autumn when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. Though the roots are considered hardy, we, however, recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar.

Pfitzeri. Blooms from August till October; rich orange scarlet. 25c. each; doz., \$2.50; \$15.00 per 100.

VERBASCUM

Phoenicium. A most decorative plant, producing deep violet flowers on long spikes, often 3 feet long. Blooms continuously from July to September. 25c. each; doz., \$2.50; \$15.00 per 100.



Rudbeckia Golden Glow

VERONICA (Speedwell)

A fairly numerous and much grown group of perennials which, with few exceptions, bear spikes of blue flowers. Excellent for cutting. June to August.

Amethystina. Amethyst blue flowers.

Incana. White, silvery-like foliage, pale blue flowers; 12 to 18 inches.

Longifolia. Subsessilis. Grows 2½ feet high; rich blue. 25c. each; doz., \$2.50.

Repens. Fine for rockeries or carpet bedding; light blue flowers; 6 inches.

Price of Veronica, except where noted, 25c. each; doz., \$2.50; \$15.00 per 100.

VINCA (Periwinkle or Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also in lawn plantings under trees, in woodlands and on spots where it is desired to cover the ground and no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

Minor. Green foliage, lavender flowers.

Extra strong plants, 25c. each; doz., \$2.50; \$15.00 per 100.

YUCCA (Adam's Needle)

This plant sets off to best advantage if placed as individual specimens either on the lawn or in the shrubby border. The foliage is of an evergreen nature, is slender and pointed, 4 to 5 feet, cream white, bell-shaped, flowers July and August.

Filamentosa. 35c. each; doz., \$3.50; \$25.00 per 100.

PLEASE NOTE.—In order to facilitate the packing of and so that the least shipping space practical is required, most large nurserymen, including ourselves, will cut back all shrubbery, hedge plants and small fruits prior to packing and shipping.

This trimming back will be practically the same as is usually done at the time of planting, so the stock when received by you need not be trimmed at planting time.

AMYGDALUS

(Flowering Almond)

Rubra Flore Pleno Nana. Erect, slender branches, which are covered in May with small, very double, fragrant, pink flowers. Strong plants 1½ to 2 feet. \$1.00 each; \$4.00 for 6; doz., \$7.50.

ALTHEA

(Rose of Sharon)

These thrive almost anywhere, producing their bloom from July till September.

Alba Plena. Pure white; double.

Atropurpurea Plena. Double purple.

Duchess de Brabant. Double; deep red.

Totus Albus. Single; pure white.

Plants, 2 to 3 feet high. 50c. each; doz., \$5.00; \$25.00 per 100.



Buddleya

AZALEAS

We have on hand from an importation received last spring a few choice plants in the following varieties:

Amoena. Dwarf bushy shrub; covered in April and May with purplish-red double flowers. The foliage remains all winter, when it takes on a coppery-red shade. 12-inch diameter heads. \$1.50 each.

Anthony Koster. A type of the Mollis variety, with exceptionally large flowers of a golden orange; flowering in May; plants with 12 to 15 in. heads. \$1.50 each.

Mollis. Of dwarf bush-like habit, with light green leaves. There are but three colors of it, yellow, orange and red; it blooms about the middle of May. Mixed colors. Plants, 12 to 15 buds. \$1.50 each.

J. C. Van Tol. A type of the Mollis variety, but much larger flowers, bright red, very attractive. \$1.50 each.

BERBERIS (Japanese Barberry)

Thunbergii. A good, hardy plant of low, dense growth for lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Doz. 100 1000

1 to 1½ feet (plant 8 to 10 inches apart) ..	\$2.50	\$18.00	\$150.00
1½ to 2 feet (plant 10 to 12 inches apart) ..	3.00	20.00	175.00
2 to 2½ feet (plant 12 inches apart)	4.00	30.00	.....

BUDDLEYA (Butterfly Bush)

Variabilis Magnifica. Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. 3 inch pot plants, 30c. each; \$3.00 per doz.; \$20.00 per 100.

CALYCANTHUS (Sweet Shrub or All Spice)

Floridus. Chocolate-colored double flowers, with a peculiar agreeable odor. Blooms in June. 50c. each; doz., \$5.00.

CERASUS (Flowering Cherry)

Double White. Numerous white flowers conceal the branches in May; 4 to 5 feet. \$1.50 each.

Double Pink. Beautiful shade of pink; splendid for lawn decoration; 3 to 4 feet. \$1.75 each.

Shipping season is usually from October 15th to November 15th

CYTISUS (Golden Chain)

Laburnum. A large shrub with shining green leaves and long drooping racemes of yellow flowers, which appear in early summer; 3 to 4 ft. plants. 75c. each; doz., \$7.50.

CLETHRA (Sweet Pepper Bush)

Alnifolia. Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. 50c. each; doz., \$5.00.

CERCIS (Judas or Red Bush)

Canadensis. A tall slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers; 2 to 3 foot plants. 75c. each; doz., \$7.50.

CHIONANTHUS (White Fringe)

Virginica. In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants; 2 feet. 50c. each; doz., \$5.00.

CORNUS (Dogwood) (Bush Form)

This plant is so well known that it hardly needs description. The flowers appear before the foliage in May. In the autumn takes on a rich crimson shade.

Florida (White Flowered Dogwood). Strong plants; 2 to 3 ft. 75c. each; doz., \$7.50.

Rubra (Pink Flowered Dogwood). 2 to 3 ft. \$1.50 each.



DEUTZIA

The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive. Can be used for cut flowers.

Candidissima (Fl. pl.). Abundant racemes of double, pure white flowers in June, luxuriant foliage and fine habit. 2 to 3 ft. plants.

Crenata Rosea (Fl. pl.). Double flowering white tinged pink. 2 to 3 ft.

Gracilis. Of dwarf, bushy habit. White flower. 18 to 24 inches. Price of the above, 50c. each; doz., \$5.00.

SPECIAL ATTENTION, PLEASE

The quality of our flowering shrubs is splendid; it must not be compared with small 1-year-old plants. What we offer will usually give an effect the first year after planting and is well worth any difference in cost over the smaller plants.

SHRUBS should be sent by express wherever possible.

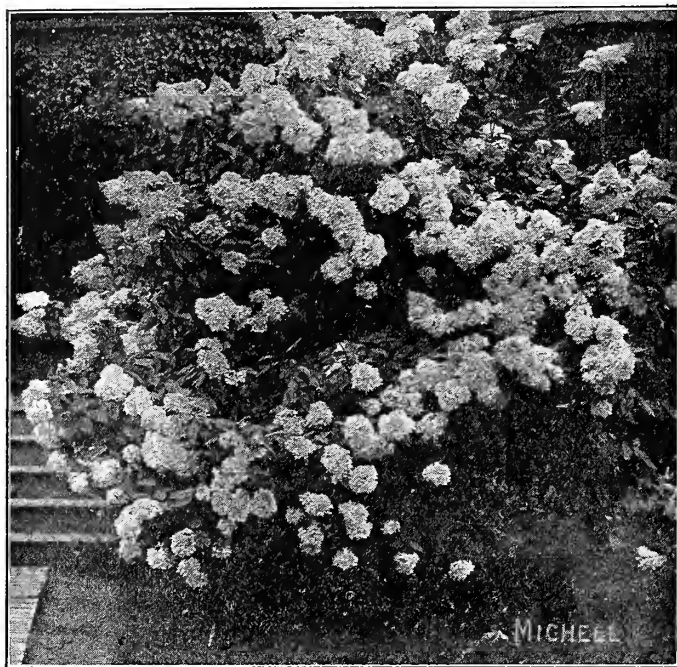
EUONYMUS

Japonica Aurea Var. Beautiful deep green and yellow margined foliage, a splendid evergreen. 12 to 15 inch plants. \$1.25 each; doz., \$12.50.

FORSYTHIA (Golden Bells)

Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare. In fact, when in flower, nothing else but bloom can be seen.

Fortunei. Erect growing with dark green foliage; strong plants. 3 to 4 ft. 50c. each; doz., \$5.00.



Hydrangea Paniculata Grandiflora

HYDRANGEA

Arborescens Grandiflora Alba (Snowball Hydrangea). The snow-white blooms are of the largest size. Coming into flower early in June and lasting until late August. Is more hardy than any other sorts and especially suited to plant in shaded places. 2 ft., 50c. each; \$5.00 doz.

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form 2 to 3 ft. plants, 50c. each; per doz., \$5.00. Extra strong stock, 3 to 4 ft., 75c. each; per doz., \$7.50.

Paniculata Grandiflora (Standard or Tree Shaped). These are fine, planted as individual specimens in the lawn or in the center of beds, containing other plants. Stems, 2 to 2½ feet long with shapely heads. \$1.50 each.

HYDRANGEA

(Otaksa and French Varieties) (See page 36)

KERRIA (Globe Flower or Corchorus)

Shrubs with light green branches. Does well in any soil, in shaded or open locations, flowering in May and June.

Double-flowered. Of medium size; double yellow flowers. Plants, 2 to 3 feet high. 50c. each; per doz., \$5.00.

LONICERA (Honeysuckle)

Morrowi (Japanese Bush Honeysuckle). An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 2 to 3 feet. 50c. each; doz., \$5.00.

**LILACS**

Vulgaris. Common purple, sweet-scented lilac. 18 to 30 inches high. 50c. each; doz., \$5.00.

Vulgaris Alba. Pure white type of the above, but more fragrant. 18 to 30 inches high. 50c. each; doz., \$5.00.

White Persian. Very early flowering; pure white, sweet scented. 18 to 24 inches high. 50c. each; doz., \$5.00.

Persian. Early purple flowering; very profuse. 18 to 24 inches high. 50c. each; doz., \$5.00.

PHILADELPHUS (Mock Orange or Orange Blossoms)

A shrub that can always be depended upon to give splendid satisfaction. No insects bother it, and in May and June the bushes are literally covered with flowers.

Coronarius. Handsome foliage and beautiful white flowers, quite fragrant. Plants, 2 to 3 feet. 50c. each; doz., \$5.00.

PRUNUS

Pissardi (Purple-leaved Plum). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost, having small pinkish white flowers in early spring. Plants, 2 to 3 feet. 75c. each; doz., \$7.50.

PYRUS

Japonicus (Japan Quince). This shrub is a beautiful sight, when covered in the early spring with cherry-red flowers about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince Jelly for preserves. This plant can also be used for hedge effects, and on account of the thorny nature it is a good barrier against cats, dogs and other animals. Extra strong plants, 2½ ft. 60c. each; doz., \$6.00.

SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees, plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee trees, plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.



RHODODENDRONS

From an importation received last spring we have to offer a splendid lot of plants in mixed colors, though named varieties we cannot distinguish them, the importation of these until further notice has been forbidden, so that when the present stock is exhausted, it is doubtful when it can be replenished. Strong plants 18 to 24 inches high, \$2.50 each.

SPIREA

This group embraces a wide variety, so much so that frequently one might suppose that the plants belong to a different family, from which it can be seen that a collection of them will make an effective variety.

Anthony Waterer. Of dwarf, dense habit, bearing a profusion of crimson flowers. 18 to 24 inches, 50c. each; per doz., \$5.00.

Prunifolia (Bridal Wreath). The pretty double white flowers are all along the almost leafless stem about May 1st just as the leaves are budding. Splendid plants, 3 feet, 50c. each; per doz., \$5.00.

SYMPHORICARPUS

Racemosus (Snowberry). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter; strong plants, 2 ft. 50c. each; doz., \$5.00.

VIBURNUM

Carlesi. A new Japanese variety of a compact bushy habit, bearing sweet-scented white flowers, somewhat after the style of a *Bouvardia*. This is a splendid addition to the *Viburnums* on account of its great beauty and its exquisite odor. 75c. each; doz., \$8.00.

Plicatum (Japanese Snowball). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. *Extra fine plants*, 2 to 3 feet. 50c. each; doz., \$5.00.

Viburnum Opulus Sterilis (Guelder Rose or Snowball). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, 3 feet. 50c. each; doz., \$5.00.

WEIGELIA

Amabilis. A pink flowering variety, in bloom during June and July; extra strong plants, 2 to 3 feet. 50c. each; doz., \$5.00.

Candida. Flowers abundantly in June and July, additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. Plants, 2 to 3 feet. 50c. each; doz., \$5.00.

Eva Rathke. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts, 2 to 3 ft. 50c. each; doz., \$5.00.

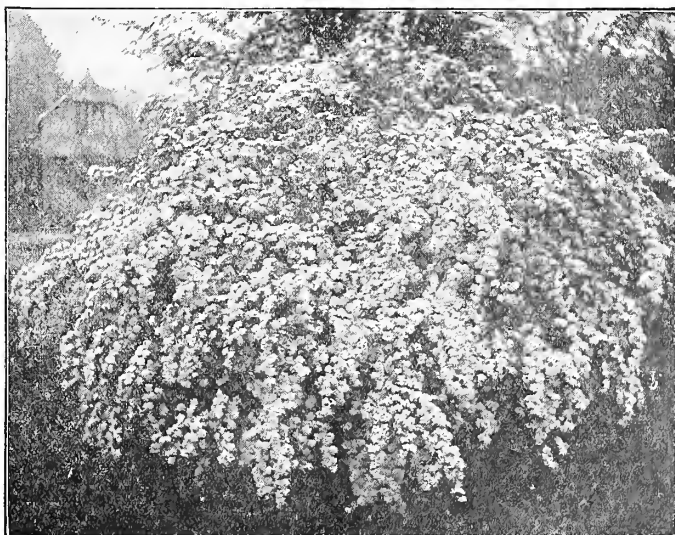
HARDY CLIMBING VINES

The quality of the climbers offered by us is exceptional, the plants being pot grown and very large, and easily worth more than the price asked.

	Each	Doz.
Actinidia Arguta (Silver Vine). Beautiful dark green heart-shaped foliage	\$0.75	\$7.50
Akebia Quinata. Quick-growing vine .....	.35	3.50
Ampelopsis Humilifolia. Dark glossy green foliage ..	.50	5.00
Ampelopsis Quinquefolia (Virginia Creeper) .....	.35	3.50
Ampelopsis Veitchii (Boston Ivy) .....	.50	5.00
Aristolochia Sipho (Dutchman's Pipe)	1.00	10.00
Bignonia Radicans (Trumpet Creeper) .....	.60	6.50
Bignonia Grandiflora .....	.75	7.50
Celastrus Scandens (Bittersweet) .....	.50	5.00
Clematis Paniculata. White, large plants .....	.25	2.50
Clematis Paniculata. White, extra large plants ....	.35	3.50
Clematis Crispa. Lavender, small flowers .....	.60	6.00
Clematis Coccinea. Red, small flowers .....	.60	6.00
Clematis. Large flowering. Named varieties .....	.75	7.50
Euonymus Radicans Variegata. Variegated foliage ..	.25	2.50
Euonymus Radicans Vegetus. Dense foliage .....	.35	3.50
Euonymus Radicans. Deep green foliage .....	.25	2.50
Honeysuckle Chinese Evergreen (Woodbine) .....	.30	3.00
Honeysuckle Halliana. Continuous bloomer .....	.30	3.00
Honeysuckle Heckrothi. Deep red flowers .....	.50	5.00
Honeysuckle Variegated. Beautiful mottled foliage...	.30	3.00
Hop Vine For trellis and arbors .....	.25	2.50
Kudzu Vine (Pueraria). Splendid for shade	\$0.25	\$2.50
Lathyrus (Hardy Sweet Pea). White Pearl .....	.25	2.50
Lathyrus (Hardy Sweet Pea). Pink Beauty .....	.25	2.50
Lathyrus (Hardy Sweet Pea). Latifolius Albus. Pure white .....	.25	2.50
Polygonum Auberti. White flowers	1.00	10.00
Polygonum Baldschuanicum. Light pink	1.00	10.00
Schizophragma Hydrangeoides (Climbing Hydrangea). Introduced from Japan. White	1.00	10.00
Wistaria Chinensis. Pale blue, somewhat fragrant...	1.00	10.00
Wistaria Chinensis Alba. White-flowering	1.00	10.00

ENGLISH IVY

This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4 in. pot plants, 35c. each; per doz., \$3.50; \$25.00 per 100. 6 in. pot plants, 75c. each; doz., \$7.50; \$50.00 per 100. 12 in. Tub Plants, about 4 ft. high, \$2.50 each.



Spirea Prunifolia

READY FOR SHIPMENT
AFTER OCT. 20th

BERBERIS THUNBERGII

(Japanese Barberry)

A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

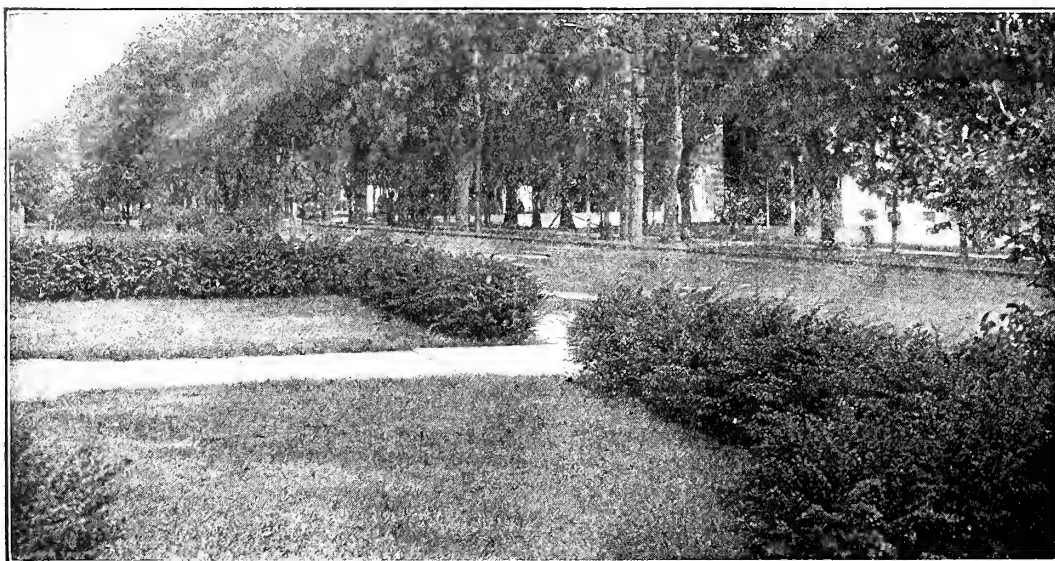
Price of Berberis

	Each	Doz.	100	1000
1 to 1½ ft.	\$0.30	\$2.50	\$18.00	\$150.00
1½ to 2 ft. ....	.35	3.00	20.00	175.00
2 to 2½ ft. ....	.50	4.00	30.00	

GOLDEN OR VARIEGATED LEAVED PRIVET

Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. It is quite new and the stock is limited, when available it will become very popular. We recommend it especially for placing among shrubbery or for planting on the lawn; the contrast between the grass and golden foliage is beautiful.

Bushy Plants, 15 to 18 in. high, \$1.00 each; doz., \$10.



A Hedge of Berberis Thunbergii—Nothing in the Hedge Plant Line Equals it for Grace and Beauty



A Privet Hedge is Much More Attractive than the Best Fence

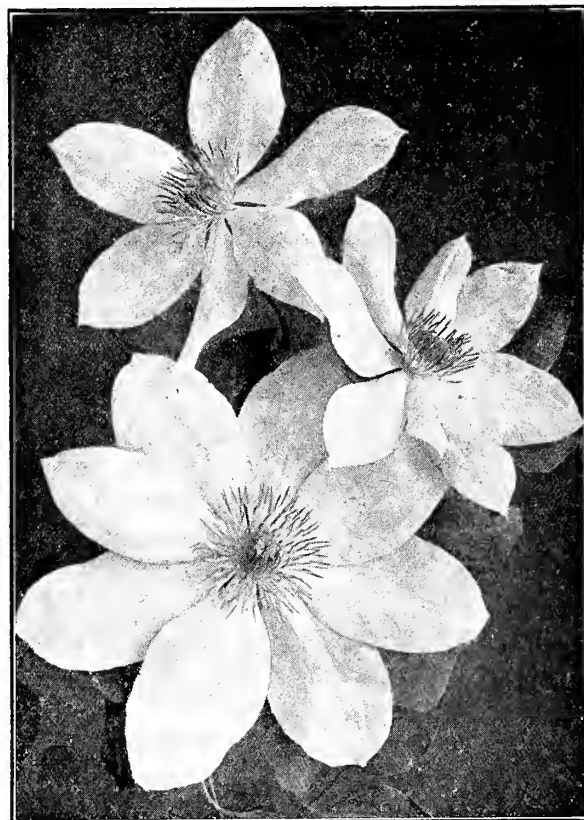
CALIFORNIA PRIVET

Unlike a fence which needs painting, repairing, etc., and then never looks well. This hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 20th till the ground freezes and from March 15th to May 15th.

	Doz.	100	1000
1-yr.-old, 18 to 24 in.	\$1.00	\$5.00	\$40.00
1-yr.-old, 24 to 30 in.	1.25	7.50	50.00
2-yr.-old, 30 to 36 in.	1.50	8.50	60.00

NOTE.—Our privet is especially fine and will give splendid satisfaction.

PLEASE NOTE.—All privet offered are of the height specified before shipping, but to save space in packing and transportation all Privet will be shipped cut back to 18 inches. It is advisable to trim it after planting in any event to this height if not lower.



Large Flowering Clematis, See Page 49

Plants can best be shipped via Express. No plants sent C. O. D.

(hb)

- Beech (Purple)** *F. sylvatica purpurea*. The foliage in spring is a deep purple, changing later to green. Should be closely pruned when transplanted. 4 to 5 feet, \$3.75; 5 to 6 feet, \$6.00.
- Beech (Purple Rivers)** *F. sylvatica Riversii*. Where a large-growing tree with purple foliage is wanted, nothing equals this. The leaves are always a rich shade, sometimes crimson and sometimes almost black. 4 to 5 feet, \$4.00; 6 to 8 feet, \$7.50.
- Beech (Weeping)** (*Fagus sylvatica pendula*). Irregular in outline, and has a picturesque beauty peculiar to itself. Its twisted and contorted branches resemble living fountains of foliage. 4 to 5 feet, \$6.50; 8 to 10 feet, \$12.00.
- Birch (Cut-Leaved Weeping)** *Betula alba laciniata pendula*. Tall, slender, with graceful drooping branches, silvery-white bark and delicately cut foliage. 8 to 10 feet, \$3.75; 10 to 12 feet, \$5.50.
- Birch (Young's Weeping)** *B. Youngi pendula*. Droops gracefully to the ground in fine, thread-like shoots. One of the most beautiful of the Weeping Birches. 4 to 5 feet, \$5.50; 5 to 6 feet, \$8.00.
- Dogwood (Red Flowering)** *Cornus florida rubra* (Tree Form). The flowers which appear early in May before the leaves, are of a deep rosy-pink color, producing a perfect drift of bloom. Foliage large, velvety, dark green in summer and brilliant crimson in fall. 2 to 3 feet, \$3.00; 3 to 4 feet, \$4.00.
- Dogwood (White Flowering)** *C. florida alba* (Tree Form). Similar to the red-flowering in habit of growth, though attaining larger proportions. A mass of conspicuous white flowers in spring. 4 to 5 feet, \$2.50; 5 to 6 feet, \$3.00.
- Elm (American)** *Ulmus Americana*. One of the finest street shade trees in the world. 8 to 10 feet, \$3.50; 10 to 12 feet, \$4.50.
- Horse Chestnut** (*Aesculus hippocastanum*). The flowers are large, white, spotted with purple and produced in large, compact spikes. A fine shade tree. 8 to 10 feet, \$3.50; 10 to 12 feet, \$5.00.
- Larch (European)** *Larix decidua*. A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 4 to 6 feet, \$3.50.
- Linden (American)** *T. Americana* (Basswood). The largest-growing Linden. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. 8 to 10 feet, \$4.50; 10 to 12 feet, \$5.50.
- Linden (European)** *Tilia Europaea*. Leaves smaller and darker than those of the American Linden, forming a dense shade. 8 to 10 feet, \$4.50; 10 to 12 feet, \$6.00.
- Magnolia Conspicua**. In habit of growth similar to Soulangeana, large, pure white flowers, which are produced in great abundance. 2 to 3 feet, \$5.00; 3 to 4 feet, \$6.00.
- Magnolia Soulangeana**. A low spreading tree, covered early in the spring before the leaves appear with large flowers, purple at the base and white in the upper half of the petals. 3 to 4 feet, \$3.00; 4 to 5 feet, \$6.00.
- Maple (Silver)** *Acer dasycarpum*. Of rapid growth; extensively planted for ornament and shade. 10 to 12 feet, \$3.50; 12 to 14 feet, \$5.50.
- Maple (Japanese)** *A. palmatum Atropurpureum*. The Japan Maple is unsurpassed for ornamental purposes, the blood-red foliage making it strikingly handsome. Trees are dwarf in habit, seldom attaining a height of more than a few feet. 2 feet, \$2.00; 3 feet, \$3.50.
- Maple (Norway)** *A. Platanoides*. One of the finest park, street, shade or lawn trees in America; of rounded form, compact habit, stout, vigorous growth. 8 to 10 feet, \$3.50; 10 to 12 feet, \$4.50; 12 to 14 feet, \$6.50.
- Maple (Sugar)** *A. saccharum*. Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 10 to 12 feet, \$4.00; 12 to 14 feet, \$6.50.
- Mountain Ash** (*Sorbus Aucuparia*). A handsome native tree. In autumn and early winter the tree is clothed with large clusters of red berries. 8 to 10 feet, \$4.50.
- Mulberry (Teas' Weeping)** *Morus alba pendula*. Forms a perfect umbrella-shaped head, with slender, willowy branches, drooping to the ground. 2-year heads, \$4.00; large specimens, \$6.00.
- Oak (Scarlet)** *Quercus coccinea*. A large, well-shaped tree; in the fall the foliage changes to a brilliant scarlet. 7 to 8 feet, \$4.00; 8 to 10 feet, \$5.00.
- Oak (Pin)** *Q. palustris*. Foliage deep green and finely divided. The leaves become a shade of scarlet and yellow in autumn. It thrives in almost any soil. 8 to 10 feet, \$4.50; 10 to 12 feet, \$5.50; 12 to 14 feet, \$8.00.

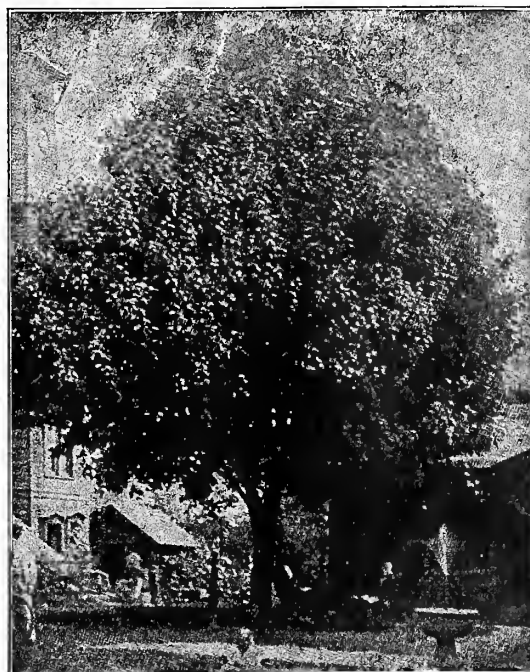


Catalpa (see Umbrella Tree)

We can also supply a complete line of Evergreens. Ask for list and prices.

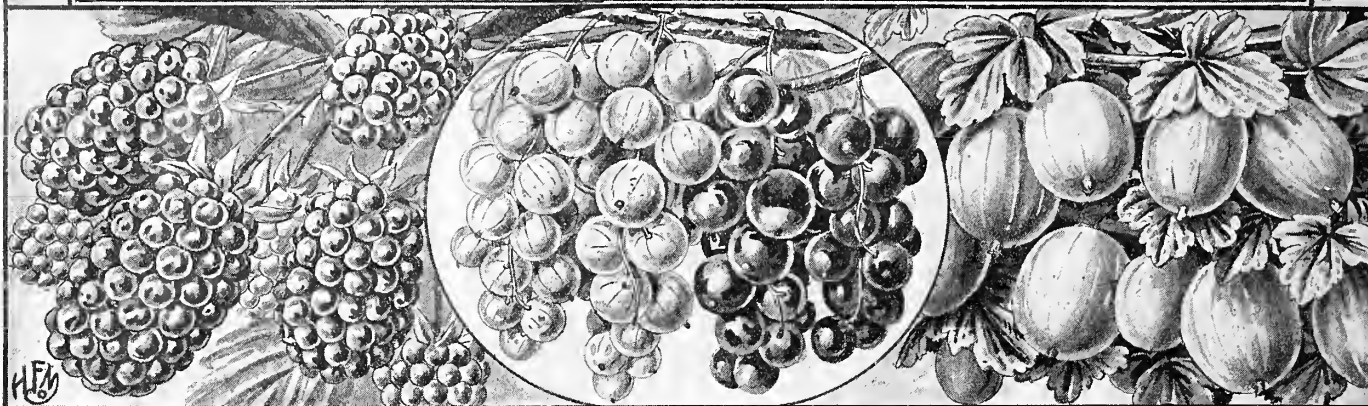
SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees, plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee trees, plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.



Norway Maple

- Plane (Oriental)** *Platanus orientalis* (Buttonwood). A favorite tree for avenue and seashore planting, of large spreading habit and rapid growth; not affected by insects. Leaves large, smooth and handsome, affording abundant shade. 8 to 10 feet, \$3.50; 10 to 12 feet, \$4.50; 12 to 14 feet, \$5.50.
- Poplar (Carolina)** *Populus monilifera*. Good in almost any location. 10 to 12 feet, \$3.50.
- Poplar (Lombardy)** *P. nigra fastigiata var. Italica*. Its tall form, sometimes reaching 120 feet, makes it indispensable in landscape effects for breaking monotony of outline. 8 to 10 feet, \$3.50; 10 to 12 feet, \$4.00; 14 to 16 feet, \$4.50.
- Pyrus** (Bechtel's Double-flowering Crab). The tree is of medium growth, and the flowers of immense size, of a beautiful pink color, are highly fragrant. Very double. 2 to 3 feet, \$3.50; 3 to 4 feet, \$4.00.
- Salisbury** (Maiden Hair Tree). One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maiden Hair Fern. 6 to 8 feet, \$3.50; 8 to 10 feet, \$4.50.
- Sweet Gum** (*Liquidambar styraciflua*). A rapid-growing tree, thriving in a great variety of soils. The leaves are roundish, but with five to seven pointed spreading lobes. In autumn they assume a rich bronze and crimson. 6 to 8 feet, \$3.50; 8 to 10 feet, \$4.50.
- Tulip Tree** (*Liriodendron tulipifera*). A popular native deciduous tree, sometimes attaining a height of seventy-five to one hundred feet. 6 to 8 feet, \$2.50; 10 to 12 feet, \$5.00.
- Umbrella Tree** (*Catalpa Bungei*). For the lawn the *Catalpa Bungei* is very effective. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. On the terraces when used in connection with the California Privet hedge the effect is most pleasing. Price, 6 to 7 feet stems, 1-year heads, \$3.00 each; 6 to 7 feet stems, 4-year heads, \$7.50 each.
- Weeping Willow** (*Salix Babylonica*). This is the well-known Weeping Willow, whose long pendulous branches droop so gracefully, and sway to the lightest breeze. Grows well in wet or dry places. 8 to 10 feet, \$3.50; 10 to 12 feet, \$4.50.



Every garden should have some space reserved for small fruits. None bought in the market can compare with those picked fresh by yourself when you want them. Any surplus that cannot be consumed may be put up for winter use.

SPECIAL NOTICE

In order to save time and shipping space, in the future before shipping we will trim back all vines and bushes of small fruits unless expressly ordered otherwise. The plants invariably should be trimmed back before being planted, so customers will know we have done this; when they receive the plants they are ready to plant out and water.

BLACKBERRIES (Extra Strong Plants)

Blackberries thrive most anywhere. The plants are subject at times to attacks of rust, particularly during prolonged wet spells in summer. A spraying, especially underneath the foliage, with copper solution, usually arrests this. However, if the disease spreads too much, it is best to dig up the bushes, burn them and plant new ones in another part of the garden. If they are sprayed before being affected it is the best plan.

Eldorado. A very vigorous grower, free from mildew or rust, enormously productive; fruit large, excellent quality, without core.

Mercereau. Remarkably strong grower. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; very sweet, without core. Unsurpassed as a shipper and keeper.

Price of Blackberries, \$1.00 doz.; \$6.00 per 100.

Note.—If Blackberries are desired by Parcel Post allow 15c. per dozen for postage, as we send out only extra strong plants which generally bear some the first season.

CURRANTS (Extra Strong Plants)

Currants like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Black Naples. Fruit varies from small to large, averaging medium; strong flavor. An old and well-known variety which makes splendid jelly; the flavor is very distinct and preferred by many.

Red Dutch. An old and well-known standard variety; clusters average about three inches long; berries medium in size, dark red.

Price.—Any of the above varieties of Currants, strong 2-year-old, 20c. each; per doz., \$2.00; \$15.00 per 100.

Note.—If Currants are desired by Parcel Post, add 20c. per doz. for postage, as we send out extra strong bushes.

GOOSEBERRIES (Extra Strong Plants)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

Bowling. Fruit medium to large, whitish green; flesh soft, juicy.

Red Jacket. Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean healthy foliage.

Price of Gooseberries, 25c. each; doz., \$2.50; \$15.00 per 100.

Note.—If Gooseberries are wanted by Parcel Post, please add 25c. per doz. for mailing charges.

PLEASE NOTE.—Some States forbid the shipment of Gooseberries into their boundary. In ordering it might be well to know if there is such a law in your State.

SPECIAL NOTICE ON GUARANTEE

We spare no efforts to supply "small fruit" bushes of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee these and trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

NOTE.—Owing to the peculiar laws of Florida concerning the shipping of nursery stock into that State, we regret **WE ARE UNABLE TO ACCEPT ORDERS FOR NURSERY STOCK OR SMALL FRUITS FOR SHIPMENT WITHIN THE STATE OF FLORIDA.**

GRAPE VINES

A few of these planted in the garden after several years will yield abundant crops, and they last for years with little attention except pruning and spraying.

Caco. The most delicious of all Grapes—perfectly hardy, has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. The large berry is wine-red. Bunch of good size, compact and of good form. Ripens in ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine is a very strong, vigorous grower, healthy and prolific. This is a very fine variety and is easily worth the slight advance in price over the older varieties. 50c. each; doz., \$5.00.

Campbell's Early. A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich, delicious.

Catawba. Delicious flavor, medium size red berry.

Concord. The well-known standard purple variety, succeeds wherever grapes grow.

Moore's Diamond. A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

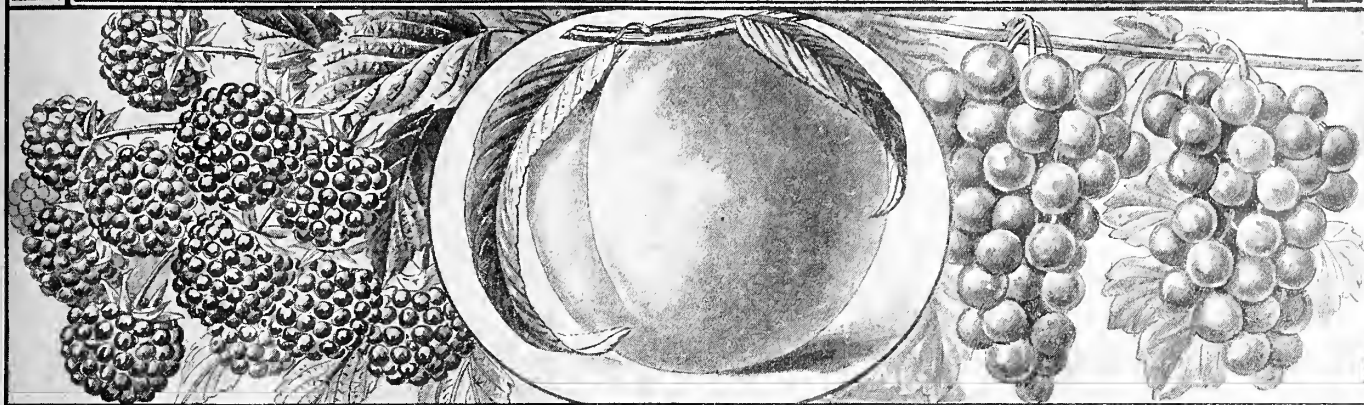
Niagara. An unusually strong grower; bunches very large and compact; berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

Prices—2-year-old vines (except the Caco Variety), 35c. each; doz., \$3.50; \$22.00 per 100. If Grape Vines are wanted by mail, add 5c. each for postage charges.

Please Note.—We have reduced the variety of Grape Vines offered, retaining the best in varieties which cover the different colors.

Shipping Seasons for small fruits are from October 20th till freezing.

MICHELL'S SELECT FRUITS, ETC.



RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We also recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

Cumberland (Blackcap). The largest raspberry known. Selected specimens measure an inch in diameter, immensely productive.

Cuthbert. Berries very large, measuring 3 inches around; conical; rich crimson; one of the old-time favorites.

Golden Queen. Berries are large, of beautiful bright yellow, of excellent quality; medium to late; very sweet.

Price of any of the above Raspberry Plants (except where noted): \$1.00 per doz.; \$6.00 per 100. If raspberries are wanted by parcel post, add 15c. per dozen for charges.

EVERBEARING RASPBERRY "RANERE"

This yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, very sweet and juicy and is borne in great abundance, and does not seem to sunscald as easily as other sorts. A photo was made of a stalk which had by actual count 160 berries on one stem. This will give some idea of its free fruiting qualities.

We send out strong plants, which, from our experience in the past, should bear the first season.

Price, \$1.00 per doz.; per 100, \$6.00.

If wanted by mail, add 15c. per doz. for postage.

STRAWBERRY PLANTS

(Pot Grown)

EARLY VARIETIES

Early Jersey Giant, Early Ozark, Senator Dunlap.

MID-SEASON VARIETIES

Bubach, Big Joe, Heritage, Rewastico.

LATE SEASON VARIETIES

First Quality, Brandywine, Gandy, Glen Mary, Stevens' Late Champion.

FALL FRUITING VARIETIES

"Peerless" (New). This variety is claimed to be the best fall bearing sort, producing right up to heavy frosts, as the fruit is protected by the large, vigorous foliage.

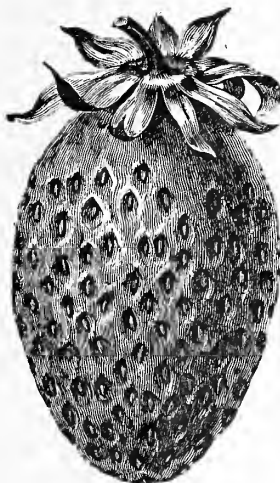
Progressive and Superb.

These are two of the best of the American varieties.

Price of pot-grown, \$1.00 per doz.; \$6.00 per 100; \$50.00 per 1000.

If Layer Strawberry Plants are wanted by mail, add 5c. per doz. and 15c. per 100 for mailing charges.

Layer Strawberry Plants ready about October 15th. Price of any of the above: 40c. doz.; per 100, \$2.00; \$15.00 per 1000.



Heritage

CHOICE FRUIT TREES (Extra Strong Stock)

These can be shipped by express only.

APPLES

Baldwin. Large round, deep red; late variety.

Ben Davis. A late keeper; handsome striped fruit.

Grime's Golden. Deep golden yellow; fine for Christmas.

Hyslop (Crab). Deep crimson with blase bloom.

Maiden's Blush. Clear pale yellow, red cheek; fine.

Smokehouse. Yellow striped, bright red; crisp and juicy.

Stayman's Winesap. Fine variety, good keeper, deep red on a yellow ground.

Transcendent (Crab). Yellow striped, red; good yielder.

Price of Apple Trees: 6 to 8 ft. high, \$1.00 each; \$5.00 for 6; \$9.00 per doz.

APRICOTS

Alexander. Orange yellow with faint blush; firm, coarse flesh.

Catherine. Early, oblong shaped, rich orange with red cheek.

J. L. Budd. Early light orange, similar to Catherine.

Price of Apricots: 75c. each; 6 for \$4.00; \$7.50 per doz.

CHERRIES

Black Tartarian (Sweet). Large, purplish black; immense bearer.

Early Richmond (Sour). Dark red, medium size, splendid flavor.

Governor Wood (Sweet). Light yellow, shaded bright red.

Large Montgomery (Sour). Light red; very productive.

Windsor (Sweet). Large liver colored; fine fruit.

Price of Cherry Trees: 5 to 7 feet, \$1.00 each; \$5.00 for 6; \$9.00 per doz.

PEACHES

Belle of Georgia. Free-stone, rich creamy white; red cheek.

Carman. Early, pale yellow red blush; very fine.

Crawford's Late. Greenish yellow with dull red cheek.

Elberta. Medium, very large, yellow with red cheek.

Mountain Rose. Early, white with red cheek; free-stone.

Stump the World. White with red shading; free-stone.

Price of Peach Trees: 5 to 6 feet, 75c. each; \$3.00 for 6; \$5.00 per doz.

PEARS

Bartlett. Yellow, shaded blush; very sweet and juicy; early.

Kieffer. A fine variety for late autumn and for canning.

Lawrence. Canary yellow, sweet and a splendid keeper.

Seckel. Small, yellowish brown; very sweet and juicy.

Price of Pears: 5 to 7 ft., \$1.00 each; \$5.00 for 6; \$9.00 per doz.

PLUMS

Abundance. Amber, turning to a rich bright cherry color.

Burbank. Orange yellow, overlaid red, rich and sugary.

Hale. Bright orange yellow, mottled cherry red.

Price of Plums: 5 to 6 ft., \$1.00 each; \$5.00 for 6; \$9.00 doz.

QUINCES

Champion. Very prolific bearer; large fruit.

Meech. Large fruit, bright orange yellow; bears young.

Orange. Round, golden yellow; fine for preserving.

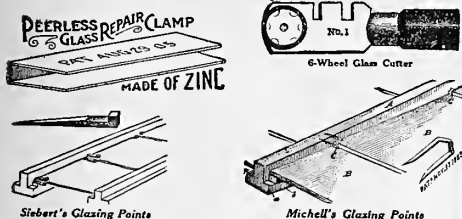
Price of Quinces: 4 to 5 ft. trees, \$1.00 each; \$5.00 for 6; \$9.00 per doz.

NUT TREES

Owing to the great difficulty in establishing these, and the fact that many States prohibit the entry of Chestnut trees into their boundaries, we will not list nut trees of any variety for the present. We shall be pleased, though, to supply them on order.

NOTE.—We can also supply all other varieties of Fruit Trees.

GLAZING MATERIALS



FEDERAL GLAZING CEMENT
1 gal. \$1.75 | 5 gals. \$8.00

GLASS CLAMPS

For supporting broken lights of glass.
Per box of 100, \$1.75. P. P. Wt., 1 1/4 lbs.

GLASS CUTTERS

Single Wheel, steel, each. \$0.20
6-Wheel, steel, each.60
Diamond (ebony handle). 3.00
Diamond (cocoa handle). 4.00

GLAZING POINTS

Michell's Glazing Points. Nos. 1 and 2, 75c. per 1000.

Peerless. Three sizes.

No. 1, for single thick glass.

No. 2, for single thick glass.

No. 2 1/2, for double thick glass.

Price, 75c. per 1000. By mail, 10c. per 1000 extra.

Pincers. For driving Michell's and Peerless Points, 60c.

Siebert Style. Made with a prominent head; cannot rust; easily driven. 5/8, 3/4 and 7/8 inches long. Zinc, 55c. per lb.; 5 lbs., \$2.60. 1000 to 1200 in a lb.

Zinc Glazing Nails. 50c. per lb.; 5 lbs., \$2.40.

MASTICA

For glazing greenhouses, new or old. One gallon will cover about 300 running feet.

1 gallon (15 lbs.) ... \$2.75
5 gallons 13.25

MASTICA MACHINE

For distributing mastica, Mastica Machine etc. Made of heavy zinc. Price, \$2.50. P. P. Wt., 2 lbs.

TWEMLOW'S PUTTY
16-lb. can (1 gal.) P. P. Wt.,
18 lbs. \$3.60
50 lbs. (3 gals.) 10.50
80 lbs. (5 gals.) 17.50

PUTTY DISTRIBUTOR

For distributing putty, mastica, etc. Price, \$1.50. Parcel Post Weight, 1 lb.

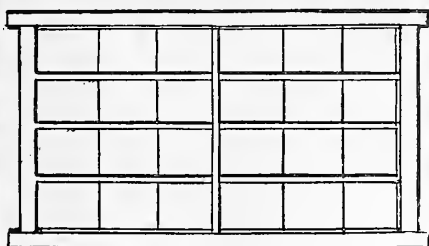
Putty Distributor

HAMMOND'S GREENHOUSE WHITE

A superior white paint. 1 gal., \$3.75.

SPECIAL NOTICE

Owing to the unsettled market conditions, all prices in this catalog are subject to change.



HOT BED SASH

Sunlight Glass Sash. These are made with a double glass facing, one on the bottom, another on the top. It is claimed that hotbed mats are unnecessary with these. 3 ft. wide, 6 ft. long.

Plain, Unglazed and Unpainted \$3.25
Glazed and Painted 8.00

Philadelphia Style. Best quality cypress. Size, 3 ft. 1 1/4 in. wide, 6 ft. long, 1 3/4 in. thick.

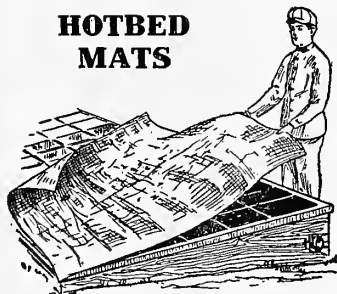
Plain, not glazed nor painted, \$3.00 each; \$34.00 doz. (Painting only, 25c. each.)

Glazed, painted, puttied glass, \$6.50 each; \$75.00 doz.

Packing glazed sash 35c. each.

Special size hotbed sash made to order.

HOTBED MATS



Hotbed mats keep frosts and severe cold out of frames. They mean earlier and bigger crops.

The Drill mats are the best that it is possible to procure. They are padded with shoddy. Rats and mice do not harbor in them. The straw mats dry out more readily and are preferred by many gardeners.

Drill, Plain. 76x76 inches, covering two sash. Each, \$3.50; \$40.00 doz.

Drill, Plain. 40x76 inches, for one sash. Each, \$2.50; \$27.00 doz.

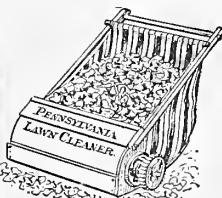
Drill, Waterproofed. 40x76 inches. \$2.50 each; \$28.00 doz.

Drill, Waterproofed. 76x76 inches. \$4.00 each; \$44.00 doz.

Drill Mats. 76 inches wide, any length. Price on application

Straw Mats. 3x6 feet Each Doz.
..... \$1.50 \$17.00

Straw Mats. 6x6 feet 2.50 28.00



Pennsylvania Lawn Cleaner



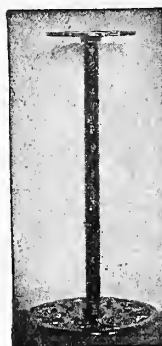
Apollo Lawn Sweeper

LAWN CLEANERS & RAKES

Pennsylvania, 24-inch Rake \$20.00
Apollo, 24-inch Sweeper 20.00

IRON PLANT STANDS

STAR STYLE



Somewhat similar to the "Superior," excepting that they are not fitted with the tilting device, and are finished in black varnish.

12 inches \$1.50
18 " 1.60
24 " 2.00
30 " 2.25
36 " 2.35
42 " 2.50

SUPERIOR STYLE

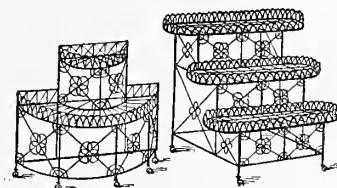
Can be tilted to set your plants at any angle desired to produce the proper decorative effect. Enameled in green.

Height	Size of Plates	Price Each
12 inch	5x 7	\$1.50
18 "	5x 7	1.60
24 "	8x10 1/2	2.25
30 "	8x10 1/2	2.50
36 "	8x10 1/2	2.75
42 "	8x10 1/2	3.00
48 "	8x12	3.15
60 "	8x12	3.25
72 "	8x12	3.50

EXTRA PLATES FOR IRON STANDS

	For Superior	For Star Stands
5 inch	\$0.50	\$0.50
7 "	.60	.65
8 "	.75	...
10 1/2 "	1.10	.80
12 "	1.30	...

WIRE PLANT STANDS



	Square Style	Half Round Style
2 shelf	\$6.00	\$6.00
3 "	6.50	7.00

JONES' COLLAPSIBLE STYLE

2 shelf \$4.00 | 3 shelf \$5.00

JONES' POT BRACKET

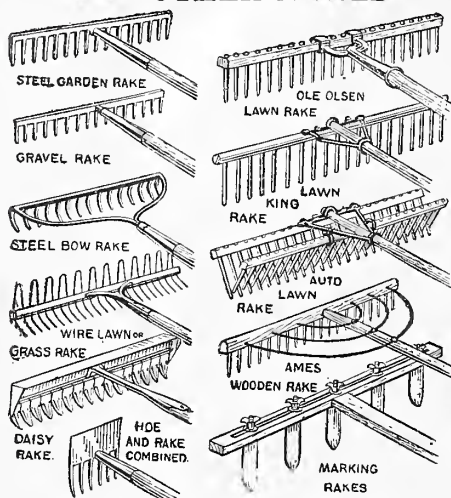
No.	Each	Doz.
No. 1 5-inch pot	\$0.35	\$4.00
No. 2 6 " "	.40	4.50
No. 3 7 " "	.45	5.00

SPECIAL NOTICE

On account of unusual market conditions all prices are subject to change without notice, although we will do our best to avoid any advances.

MICHELL'S HORTICULTURAL AND AGRICULTURAL TOOLS

LAWN RAKES AND OTHER RAKES



STEEL GARDEN RAKES

No. 6—6-tooth	\$0.70
" 8—8 "	.75
" 10—10 "	.75
" 12—12 "	.80
" 14—14 "	.85
" 16—16 "	.90

STEEL GRAVEL RAKES

No. G12—12-tooth	\$0.85
" G14—14 "	1.00
" G16—16 "	1.10
" G18—18 "	1.20
" G20—20 "	1.30

STEEL BOW RAKES

No. B11—11-tooth	\$0.90
" B13—13 "	.95
" B15—15 "	1.00

WIRE LAWN or GRASS RAKES

No. 2046—46-tooth, for putting greens	\$1.00
No. 124R—24-tooth	.75
" 36LR—36 "	1.25

ENGLISH DAISY RAKES

16-tooth	Unprocurable at present
20 "	"

HOE and RAKE COMBINED

No. 4P—4-prong	\$0.80
" 6P—6 "	.90

OLE OLSEN LAWN RAKE

26-tooth, hickory wood. Price	\$0.75
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LAWN-KING RAKES

22-tooth	\$0.50
50 "	1.00

AUTOMATIC LAWN RAKES

26-tooth	\$1.00
38 "	1.25

WOODEN RAKES

Ames No. 37X—24-tooth, steel bow. For lawns	\$1.25
Ames No. 30X—Ames 14-tooth hard wood bow rake for hay and field use.	1.00
Wire Braced 20-tooth	.50

MARKING RAKES

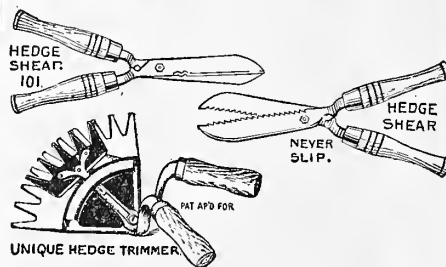
Any width row up to $4\frac{1}{2}$ feet.
Price\$7.00
Extra teeth, each60

GRASS SHEARS



No. 3075—English, 6-inch	\$1.25
" 3075— " 7-inch	1.50
" 012—American, 7-inch	1.25
" 012— " 6-inch	1.00

HEDGE SHEARS



	P. P. Wt.	Plain Bolt Each
107—5½-inch, Ladies	4 lbs.	\$1.25
101—8 "	4 lbs.	2.50
101—9 "	5 lbs.	2.75
101—10 "	5 lbs.	3.00
101—12 "	6 lbs.	3.50

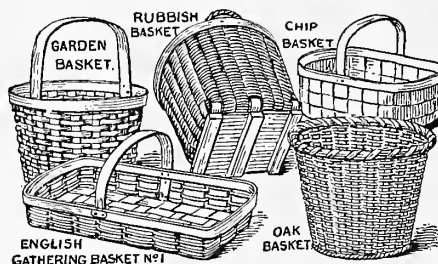
Handles for Hedge Shears, 50c. per pair.

P. P. Weight on Handles, 2 lbs. per pair.

UNIQUE HEDGE TRIMMER

Guaranteed satisfactory; cuts 11-inch swath. Unprocurable at present.

Parcel Post Weight, 5 lbs.



GARDEN BASKETS

	Each
No. 2, Stiff handle, ½ bu.	\$0.75
No. 3, drop handle, ½ bu.	.75
No. 4, without handle, ½ bu.	.85
No. 4, without handle, 1 bu.	1.00

ENGLISH GATHERING BASKET NO. 1

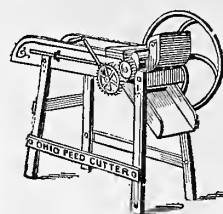
12 in. wide, 23 in. long, 4 in. deep....\$1.00

RUBBISH BASKET

Holds 3 bushels. Price with rope handles\$3.00

SPLINT OR CHIP BASKETS

	With Handle	Without Handle
½ bu. ....doz.	\$1.50	\$1.40
¼ bu. ....doz.	1.75	1.60
¾ bu. ....doz.	2.25	2.00
1 bu. ....doz.	4.00	3.75



Hay and Feed Cutter



Banner Root Cutter

FEED AND HAY CUTTER

This is considered the finest machine in the market for cutting hay, ensilage, etc.

No. 11¼ Ohio Single Knife, \$18.50; No. 11½ Ohio double knife, \$27.00.

Mann's Clover Cutter for poultry raisers' use. Plain, \$10.00; on stand, \$12.50.

BANNER ROOT CUTTER

No. 7, for poultry, sheep and lambs...\$6.00

Roots of vegetables cut up fine take the place of grass and greens during the winter months—a root cutter will be found mighty handy around the farm and poultry yard.

RUBBER APRONS

Rubber Apronseach \$2.25

CARRIAGE & AUTOMOBILE HEATERS

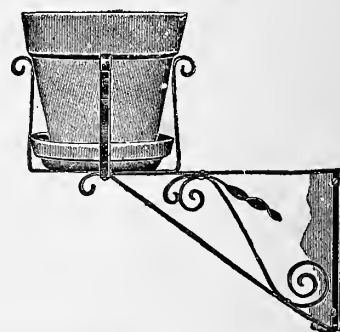


No.	P. P. Wt.	Each
2. Single drawer, 14 in., 5 lbs.	5 lbs.	\$4.00
7B. 20-in., Brussels carpet, 7 lbs.	7 lbs.	5.50
10. Three Drawers. (See cut)	10 lbs.	10.00

Coal for Auto Heaters, \$1.00 doz. bricks; per 100, \$7.00. Weight, 8 lbs. per doz.

Tongs for Handling Hot Coals, 35c.

Parcel Post Weight, 1¼ lbs.



JONES' POT BRACKET

(See Cut)

No. 1—Holds 5-inch pot. Each, 40c.; \$4.50 per doz. Parcel Post Weight, each 1 lb.
No. 2—Holds 6-inch pot. Each, 50c.; \$5.50 per doz. Parcel Post Weight, each 2 lbs.
No. 3—Holds 7-inch pot. Each, 60c.; \$6.50 per doz. Parcel Post Weight, each 2½ lbs.



RUBBER HOSE

Special attention is called to "Michell's Special" Hose, a new brand which, having been thoroughly tried out, has made good.

	Weight per ft.	Per ft.
*Michell's Special, 1/2 in....	4 ozs.	\$0.17
" " 3/4 in....	5 ozs.	.18 1/2
*Electric, 3/4 in....	5 ozs.	.23
" " 1/2 in....	4 ozs.	.21
*Revero, 3/4 in....	5 ozs.	.22
" " 1/2 in....	4 ozs.	.19
*Empire Red (corrugated) 3/4 in.		.22
Bull Dog, 5/8 in., 7-ply....	6 ozs.	17 1/2
Spray Pump Hose, 3/8 in....	3 ozs.	.15

P. S.—Brands marked * come in reels of 500 feet and sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 30c. per pair for couplings.

Hose Washers. For inside and outside of couplings. 8c. doz.; 1/4 lb., 30c.

HOSE BANDS

For fastening couplings and menders.

CALDWELL'S

No.	Doz.	100
8—For 3-ply hose	\$0.40	\$2.50
6—For 4-ply hose .....	.40	2.50
P. Post Weight, doz., 1/4 lb.; 100, 2 1/4 lbs.		

HUDSON'S

	Doz.	100
3/4 inch	\$0.18	\$1.25
1/2 " .....	.18	1.25
P. Post Weight, doz., 1/4 lb.; 100, 2 1/4 lbs.		

SURE GRIP

3/4 inch, 5c. each; per doz., 50c.

P. Post Weight, doz., 1 lb.; 100, 9 1/2 lbs.

BRASS HOSE COUPLINGS

	P. P. Wt. Doz.	Pair Doz.
1/2 inch	3 1/4 lbs.	\$0.30 \$3.00
3/4 "	4 lbs.	.30 3.00
1 "	5 lbs.	.35 3.50

SNAP HOSE COUPLINGS

Snap Couplings, 35c. pair; doz. pairs, \$3.60 (Washers, 20c. doz.)

Parcel Post Weight, per doz., 2 1/2 lbs.

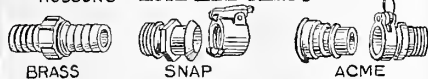
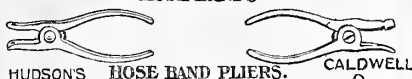
SNAP COUPLING PARTS

No. 2—Male, 13c. each; per doz., \$1.35 Parcel Post Weight, per doz., 1 1/4 lbs.

No. 1—Female, 22c. each; per doz., \$2.25 Parcel Post Weight, per doz., 1 1/4 lbs.



HOSE BANDS



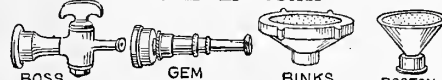
HOSE COUPLINGS.



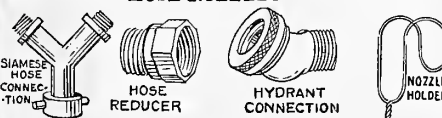
HOSE MENDERS.



HOSE MENDERS OUTFIT



HOSE NOZZLES



ACME HOSE COUPLINGS

No. 3 part, for attaching to spigot, 30c. each; doz., \$3.00.

Parcel Post Weight, per doz., 3 lbs.

No. 4 part, for attaching to hose, 50c. each; doz., \$5.00. Weight, doz., 3 lbs.

Couplings complete, consisting of one No. 3 and one No. 4 part, 47c. each; per doz., \$5.50. Weight, per doz., 6 lbs.

HOSE MENDERS

	P. P. Wt.	Each	Doz.
Cooper's 3/4 in....	1 1/4 lbs.	\$0.10	\$1.00
" 5/8 in....	1 lb.	.10	1.00
" 1/2 in....	1 lb.	.10	1.00
Iron, 3/4 in....	2 1/4 lbs.	.10	1.00
Hudson's, 3/4 in....	1/2 lb.	.08	.85
" 1/2 in....	6 ozs.	.07	.75
Republic Hose Menders, 3/4 in. (screw sleeve).....		.15	1.50

THE PERFECT HOSE MENDER

For 3/4-inch hose, 12c. each; doz., \$1.20. Parcel Post Weight, per doz., 1 1/4 lbs.

HOSE MENDING OUTFIT

(For 3/4-inch Hose)

Consisting of 6 menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands. Price, 85c. each.

Parcel Post Weight, 1 lb.

BOSS HOSE NOZZLE

Price, 85c. each. For 3/4-inch hose.

Parcel Post Weight, 1/2 lb.

JUSTRITE HOSE NOZZLE

3/4-inch hose. Regulated to give three different streams. Price 75c.

Parcel Post Weight, 1/2 lb.

THE BINKS NOZZLE

Made of aluminum, with brass face, equipped with interchangeable sprays, coarse and fine. \$3.00 each.

Parcel Post Weight, 1 1/4 lbs.

BOSTON SPRAY NOZZLE

	P. P. Wt.	Price
Light Copper, 3/4-inch hose....	1/2 lb.	\$1.00
Heavy Brass, 3/4-inch hose....	1 lb.	1.50

RAINBOW NOZZLE

An all-brass device with an adjustable arrangement, which regulates in a perfect manner the character of the stream this nozzle will throw. For 3/4-inch hose.

(Parcel Post Weight, 1 lb.) Price, \$2.25.

PLAIN STREAM NOZZLES

	P. P. Wt.	Price
4 inch, for 3/4-inch hose	4 ozs.	\$0.75
6 inch, for 3/4-inch hose	6 ozs.	1.00

CHAMPION NOZZLE

The ideal nozzle for throwing either a flat or straight stream. 3/4-inch brass, 85c.

SIAMESE HOSE CONNECTION

This permits one lead of hose to be diverted in two directions. Additional two-way connections can be used according to the water pressure. Price, 85c. each. Parcel Post Weight, 1 lb.

HOSE REDUCERS

Reduces 1-inch pipe to fit regular 3/4-in. hose. All brass. Each, weight, 1 1/2 lbs.45c.

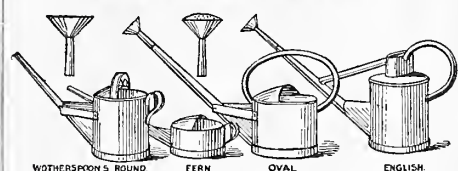
HYDRANT ATTACHMENTS

Used for attaching hose to smooth faucets. Royle style, weight, 1/2 lb.\$0.65

NOZZLE HOLDERS

For sticking in the ground while one continues with other work. Heavy galvanized wire. Price, 25c. each. Weight, 8 ozs.

WATERING CANS



	Round	Oval
2 quart Witherspoon.....	\$2.00	.....
4 quart "	3.50	.....
6 quart "	3.75	4.00
8 quart "	4.00	4.25
10 quart "	4.25	4.50
12 quart "	4.50	4.75
16 quart "	4.75	5.25
12 quart Manure Watering Can.		4.75
4 quart Fern or Low Watering Can		2.50
Extra Roses for Witherspoon Watering Cans, 50c. each.		

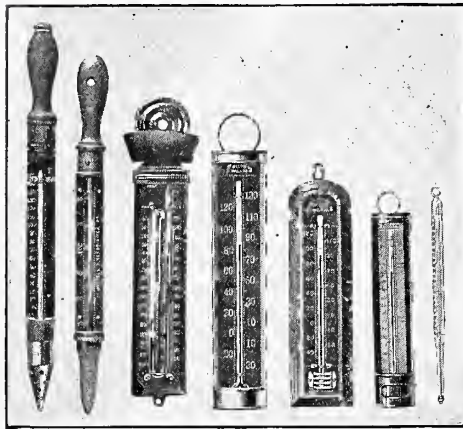
MISCELLANEOUS WATERING CANS

English—Made of very heavy tin; carefully enameled inside and out; finished light green.

No. 2, 4 qt....	\$3.50	No. 3, 6 qt....	\$4.00
No. 4, 8 qt....	4.50	No. 5, 10 qt....	4.75

Light Galvanized

4 quart.....	\$0.90	12 quart.....	\$1.65
6 quart.....	1.00	16 quart.....	1.85
8 quart.....	1.25	20 quart.....	3.25
10 quart.....	1.40		



1 2 3 5154 5100 5120-B 5721

THERMOMETERS**MAXIMUM AND MINIMUM**

No. 3, registering the coldest and the warmest point during the previous night. 8-inch, each, \$3.75; 10-inch, each, \$4.50.

TESTED THERMOMETERS

These thermometers are positively accurate and may be depended upon at all times.

No. 5420B—8 in., Tin Case	Each \$0.85
No. 5420B—10 in., Tin Case	1.00
No. 5420B—12 in., Tin Case	1.25
No. 5154—8 in., Coppered Case	1.00
No. 5154—10 in., Coppered Case	1.25
No. 5100—8 in., Wood Back, Black Scale	2.00
No. 5100—10 in., Wood Back, Black Scale	2.25

STANDARD THERMOMETERS

White scale, tin case; very reliable.

No. 5420W—8 in.	Each \$0.60
No. 5420W—10 in.	\$0.75

MUSHROOM OR HOT-BED THERMOMETERS

No. 1—Wood Case, Pope Scale, Over Glass Protecting Tube; Brass Point	Each \$2.00
No. 2—Galvanized Iron Point... ..	2.25

GLASS DAIRY THERMOMETERS

No. 5724—For testing milk, etc., also used for soil purposes; 75c. each.

ELECTRIC THERMOSTAT

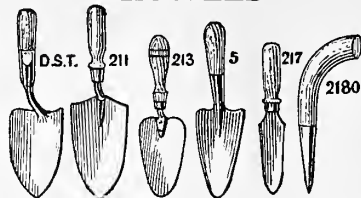
This device can be set to ring an alarm when the temperature goes above or drops below a desired point, absolutely reliable, all brass. Regular style, \$11.00; Waterproof style, \$16.00.

RECORDING THERMOMETERS

With weekly or daily charts showing the temperature for each minute of the day and night. No. 200, price on application.

We can supply Incubator and Brooder Thermometers, also Hygrometers, also any other style of Thermometer for Horticultural purposes.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.

TROWELS

D. S. T. Long blade and handle	Each \$0.85
No. 211, Johnson, 5-inch .....	.65
No. 211, " 6 " .....	.75
No. 211, " 7 " .....	.85
No. 211, " 8 " .....	.95
No. 213, 5-inch, 15c.; 6-inch .....	.20
No. 5, 6 " heavy steel .....	.25
No. 217, Cleves' Angle Trowel, 5-inch, 20c.; 6-inch, 25c.; 7-inch, 30c.	
Dibbles, for planting bulbs, etc.	
No. 2180—Iron Point	\$0.60
No. 2180—Brass Point	1.00

RAFFIA

For tying, basket making and fancy work. very long and fibrous.

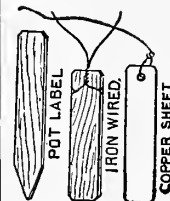
Natural Color. Price, 20c. ¼ lb.; 1b., 70c. \$3.25 for 5 lbs.

Colored. Green shade only, \$1.50 per lb.

Allow for postage if Raffia is wanted by Parcel Post.

RAFFIATAPE

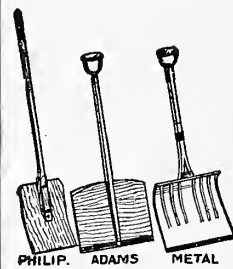
Per bolt of 250 yards, 85c.; 6 bolts, \$4.75.

WOOD TREE LABELS, ETC.

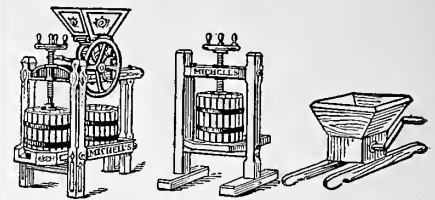
Parcel Post Weight on Tree Labels, ½ lb. per 100.	
Iron Wired. 100 1000	
Plain	\$0.25 \$1.30
Iron Wired. Painted ...	.25 1.50
Copper Wired. Plain .....	.25 1.50
Copper Wired. Painted .....	.30 1.85
Copper Sheet, wired...30c. doz., 100, \$1.50	
Zinc Sheet, wired	30c. doz., 100, \$1.35
Indelible Marking Pencils	each, 15c.

PAINTED POT LABELS

	P. P. Wt. 100	100	500	1000
4 inch	½ lb.	\$0.18	\$0.70	\$1.25
4½ "	½ lb.	.20	.80	1.50
5 "	½ lb.	.25	.90	1.65
6 "	¾ lb.	.30	1.00	1.90
8 "	2 lbs.	.75	2.90	5.50
10 "	2½ lbs.	1.00	3.75	7.00
12 "	3 lbs.	1.10	4.50	8.25
18 " for field use		4.00	19.50	36.00

**SNOW SHOVELS**

Phillips. Wood, long handle, well made, \$1.00.	
Adams. Wood, short D-handle, \$1.00.	
Metal (Owosso). Substantially made, \$1.75.	



Cider Mill Wine Press Grape Grinder

CIDER MILLS

Junior	\$26.00
Medium	32.00
Senior	38.50
Bantam, single tub	20.00

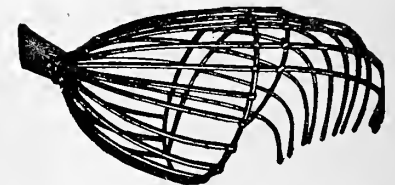
WINE PRESSES

Made of best quality wood, carefully bolted and finished.

No. 1	\$6.50
No. 2	7.25
No. 2½	9.25
No. 3	11.00

No. 11 GRAPE GRINDER

Suitable for crushing berries, grapes and similar soft fruit. Price\$5.00

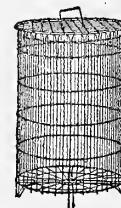
**BOSS FRUIT PICKER**

Made substantially of galvanized wire. Can easily be attached to a pole of any length. Price, 50c. P. P. Weight, 2 lbs.

No. 15 No. 16 No. 17

**HUSKING PINS**

No. 15 made to fit any size hand.	
No. 15—Universal, all metal, each, \$0.25	
No. 16—Combination, leather and metal each .....	.35
No. 17—The Boss Husker, adjustable, leather and metal, each .....	.25

**RUBBISH CONSUMERS**

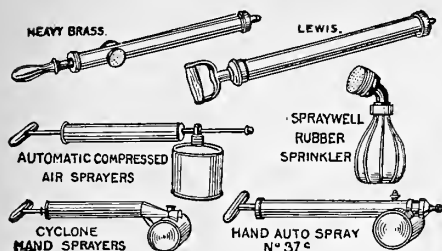
Made of galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

LIGHT WIRE

	Diameter	Height	Price
A, 12 inches x18 inches			\$3.00
B, 15 " x22 "			3.75
C, 18 " x26 "			4.00
D, 21 " x31 "			4.75

EXTRA HEAVY CONSTRUCTION

	Diameter	Height	Price
E, 20 inches x30 inches			\$15.00
F, 24 " x36 "			20.00



HEAVY BRASS SYRINGES

No.	Diam.	Lgth.	P. P. Wt.	Price
101	1 1/4"	14"	2 lbs.	\$5.00
104	1 3/4"	18"	4 1/2 lbs.	6.50

LEWIS SHEET BRASS SYRINGE

Capacity, 1 quart. Unprocurable at present. Parcel Post Weight, 2 1/2 lbs.

RUBBER SPRINKLERS

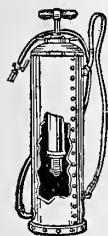
Either Straight or Crook Neck—	
Spraywell, 6-oz. capacity, each	.....\$0.75
" 8-oz. capacity, each	.....1.00
" 10-oz. capacity, each	.....1.25
Scollay, 10-oz. capacity, each	.....1.50

AUTOMATIC COMPRESSED AIR SPRAYER

Tin, each	.....\$1.25
Brass, each	.....2.25

CYCLONE HAND SPRAYER

No. 112, Tin, large	.....\$0.60
Tin, small	......35
No. 114, Brass	.....1.25



No. 22 BINKS COMPRESSED AIR SPRAYER

Galvanized Steel. 5-gal. capacity. Discharges entire contents with one pumping. P. P. Weight, 15 lbs. Price, \$8.00.

BROWN'S AUTO SPRAY

No. 1-B. Brass. Equipped with hose and Auto-Pop Attachment, \$11.00.

No. 1-D. Galvanized Iron. Equipped with hose and Auto-Pop, \$7.50.

Auto-Pop Nozzle Attachment controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately, \$2.50 each. Parcel Post weight, 1 lb.



VAPORIZING LAMP

Practical and indestructible, all metal, burns kerosene, used for dispensing fumes of Nicotinic, Tobakine and other preparations of this sort. 80c. each.

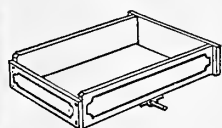
Parcel Post Weight, 3/4 lb.



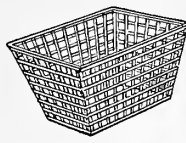
Barrel Truck



Keystone Leaf Rack



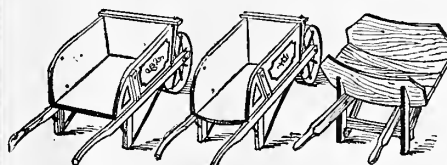
Stone Box



Metal Frame Leaf Rack

BARREL TRUCKS, ETC.

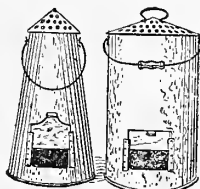
1 1/2-inch tire truck, all iron wheels, with barrel	.....\$21.50
2 1/2-inch tire truck, all iron wheels, with barrel	.....22.50
3 1/2-inch tire truck, all iron wheels, with barrel	.....23.50
Extra Barrels, with trunnions, open head	.....6.50
Stone Boxes for attaching to the above truck	.....4.00
Keystone Leaf Rack. Price, not including barrow	.....7.50
Wire and Metal Frame Leaf Rack. Thoroughly galvanized. Can be used on barrel truck	.....13.50



Eastern Greenhouse Canal

WHEELBARROWS

No.	Tire in.	Lgth. in.	Depth in.	Width in.	Price
3	1 1/2	28	11	22	\$6.00
4	3	26 1/4	11 1/2	27	7.00
5	3	28 1/4	11 3/4	27	7.50
Eastern (boys' size)					
2	2	21 3/4	9 1/4	20	5.50
Special Greenhouse Style with narrow body and handle width					
Canal—Side dump (bolted)					10.00



Eureka

Perfection

FUMIGATORS

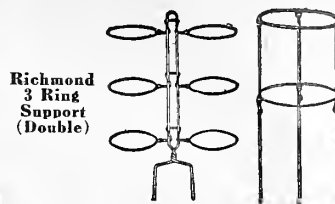
Eureka Make

No. 1, for house, 10x100 feet	.....\$2.75
No. 2, for house, 12x100 feet	.....3.25
No. 3, for house, 15x40 feet	.....4.00
No. 4, for house, 20x20 feet	.....5.00

Fumigators cannot be mailed.

Perfection Make

No. 1, for house, 12x40 feet	.....\$5.00
No. 2, for house, 15x100 feet	.....5.75
No. 3, for house, 20x100 feet	.....7.00
No. 5, for house, 20x150 feet	.....8.00



Richmond 3 Ring Support (Double)

Model 2 Ring Support

RICHMOND CARNATION SUPPORT

This is now the most popular support on the market; it can be put together in a minute, and is always satisfactory.

No. 11—29 in., 3 ring Doz.	100	1000
double	\$1.00	\$6.50 \$60.00
No. 11—29 in., 3 ring single	.85	5.50 50.00

"MODEL" CARNATION SUPPORT

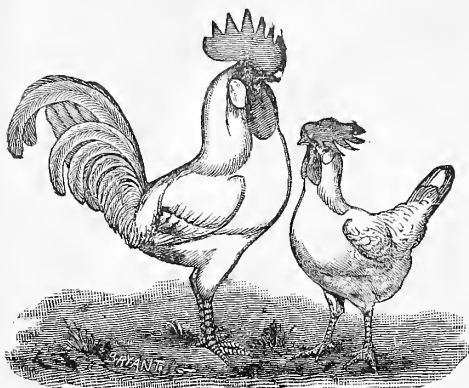
2 Ring	Doz. \$0.85	100 \$5.00	1000 \$45.00
3 Ring	1.00	6.00	50.00

SUNDRIES

Bulb Fibre. 15c. per qt.; 30c. 1/2 peck; peck, 50c.; 85c. 1/2 bu.; bu., \$1.50.
Charcoal. For use in potting. Pk., 50c.; bu., \$1.25; bbl. sack, \$2.00.
Carnation Bands (Rubber). For mending calyx. 30c. per oz.; 1/4 lb., \$1.00.
Carnation Staples. For mending carnation calyx. 60c. per 1000.
Cocoanut Fibre. 10c. qt.; 4 qts., 30c.; 50c. pk.; bu., \$1.50; 5 bu., \$6.25.
Cork. For orchids. 50c. per lb.
Daylite Glass Cleaner. For cleaning greenhouse, conservatory and hotbed sash glass. \$2.00 per gal.; 5 gals., \$9.00.
Grafting Wax. 1/4 lb., 20c.; 1/2 lb., 25c.; 40c. lb.; 5 lbs., \$1.75.
Moss, Green Lump. Pk., 50c.; bu., \$1.25; bbl. bag, \$2.50. Green Sheet. Per bundle, 75c.; \$3.00 per bale of 5 bundles. Sphagnum (dry). Pk., 25c.; bu., 50c.; barrel size bales, \$1.50; 5-bbl. bales, \$3.50. Sphagnum (live). Pk., 35c.; bu., \$1.00; bbl., \$2.50.
Pebbles. Per qt., 10c.; pk., 50c.; bu., \$1.50; bbl., \$3.50.
Peat or Leaf Mould. Five barrels, \$12.50; pk., 40c.; bu., \$1.25; bbl., \$2.75.
Peat, Orchid. Per barrel bag, \$2.50; pk., 35c.; bu., \$1.00.
Sand. For propagating. Per qt., 5c.; pk., 25c.; bu., 85c.; bbl., \$2.50.
Shadeline. For shading greenhouse glass. 5 lbs., \$1.25; 10 lbs., \$2.25.
Soil. For potting. Qt., 5c.; 1/2 pk., 15c.; pk., 25c.; bu., 85c.; bbl., \$2.50.
Tin Foil. Plain. 35c. per lb.; 5 lbs., \$1.50. Violet and green, 50c. lb.
Toothpicks. Plain, box, 7c.; 35c. for 6 boxes.
Toothpicks, Wired. 1000, 50c.; 5000 for \$2.25; 10,000, \$4.00.
Toothpicks. 6-inch, wired, green. \$1.00 per 1000. \$2.50 per 3000.
Weed Killer. Herbicide. 60c. qt.; 1/2 gal., 90c.; \$1.75 per gal.; 2 gals., \$3.25; \$7.00 for 5 gals.
Weed Killer (Michell's). 55c. per qt.; 1/2 gal., 90c.; \$1.75 per gal.; 5 gals., \$6.75; \$12.50 for 10 gals.; 30 gals., \$33.00; 50-gal. bbl., \$50.00.
Zementine. For whitewashing and shading. 2 lbs., 25c.

MICHELL'S HIGH GRADE POULTRY SUPPLIES, Etc.

LICE DESTROYERS, DISINFECTANTS, Etc.



A complete description of the following goods will be found in our Poultry Supplies Catalog—Mailed free.

Carboletta. A carbolic solution for painting roosts, spraying, etc. 40c. qt.; $\frac{1}{2}$ gal., 65c.; \$1.00 per gal.

Carbolineum (Protexol). A poultry house disinfectant, louse and mite destroyer, excellent wood preservative; in gal. cans only. \$1.50 per gal.; 5 gals., \$7.00.

Condition Tablets (Pratt's). 30c. and 60c. pkg.

Conkey's Canker Special. An effective remedy. 60c.

Conkey's Cholera Cure. 30c. and 60c. pkg.

Conkey's Chicken Pox Remedy. 30c. and 60c. pkg.

Conkey's Gape Cure. For young chicks. 60c. pkg.

Conkey's Lice Fix. For destroying mites, lice, etc. 60c.

Conkey's Lice Killer (Liquid). For painting roosts, poultry houses, etc. Qt., 60c.; 90c. $\frac{1}{2}$ gal.; 1 gal., \$1.50.

Conkey's Lice Powder. A sure destroyer. 30c., 60c. and \$1.00 pkg.

Conkey's Noxi-cide. A germ destroyer. 50c. pt.; 1 qt., 75c.; \$1.25 for 2 qts.; 1 gal., \$2.00.

Conkey's Roup Cure. The most widely used of the roup remedies; administered in the drinking water. 30c., 60c. and \$1.20 per box.

Conkey's Scaly Leg Remedy. A sure cure. 30c.

Conkey's White Diarrhoea Cure. For little chicks; results always satisfactory. 30c. and 60c. pkg.

Death to Lice (Lambert's). For dusting fowls and nests. 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-oz. pkg.

Death to Lice Ointment. For head lice on small chicks. 10c. and 25c. box.

Gape Worm Extractors. Two styles: Hal-lowell, 15c. each; 2 for 25c. Pilling, 25c. each.

Germozone (Lee's). One of the best germicides in existence, can be used on animals as well as poultry in liquid or tablet form. 75c.

Pratt's Lice Powder. For dusting nests, fowls, chicks, etc. 30c. and 60c. per box.

Pratt's Roup Remedy (Pills). For roup, canker, etc. 25c. and 50c. per box.

Pratt's Sore Head Remedy. For chicken pox, etc. 25c. and 50c. box.

Pratt's White Diarrhoea Remedy. For baby chicks. 25c. and 50c.

Rat Corn. Kills and mummifies rats and mice. 25c., 50c. and \$1.00 size cans.

Roup Syringe. For administering liquid roup remedies in the nostrils or throat. Price, 15c. each.

Spratt's Dog Soap. 25c. per cake, post-paid.

Sulphur Candles. Large size, 25c. each; per doz., \$2.50. Small size, 15c. each; per doz., \$1.50.

Tobacco Dust. For dusting on roosts, nests, etc., to keep away vermin. 10c. per lb.; 5 lbs. for 35c.; \$1.50 for 25 lbs.; 100 lbs., \$5.25.

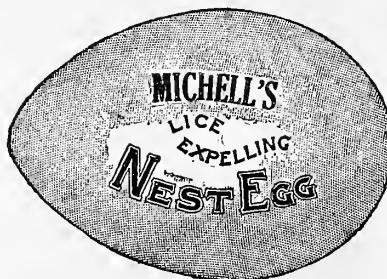
Tobacco Stems. For making nests, etc. 15c. lb.; 5 lbs., 35c.; 75c. per bu.; per bbl. bag, \$1.50; in large bales of about 250 lbs., at 2 $\frac{1}{2}$ c. lb.; per $\frac{1}{2}$ ton, \$17.00, \$32.00 per ton.

Whiting's Roupene. An infallible preventive and sure cure for all cases of Roup, Canker, Diphtheria, Chicken Pox or Sore Head, Gapes, Colds and all diseases of respiratory organs of fowls or pigeons. Will cure dogs of the sniffles. Price, 50c. and \$1.00 per bottle.

Whiting's White Diarrhoea Remedy. 50c. and \$1.00 per bottle.

Zenoleum Lice Powder. For dusting hens and nests; fine for brooding hens. 25c. per 16-oz. pkg.

Zenoleum Liquid. Dilute one part Zenoleum to 100 parts of water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. $\frac{1}{2}$ pt., 30c.; 60c. qt.; $\frac{1}{2}$ gal., \$1.00; \$1.75 per gal.; \$7.50 per 5-gal. can.



LICE-EXPELLING NEST EGG

(Naphthaline)

These are made of naphthaline, and are an ideal substitute for the natural egg, which they closely resemble. 6c. each; per doz., 65c.; \$4.50 per 100.

Oculum. For cholera, roup and diarrhoea. 50c. and \$1.00 per bottle.

Persian Insect Powder. $\frac{1}{4}$ lb., 30c.; 55c. $\frac{1}{2}$ lb.; lb., 90c.

Pratt's Disinfectant. For spraying poultry houses, stables, etc. 50c. qt.; $\frac{1}{2}$ gal., 90c.; \$1.50 per gal.

Pratt's Lice Killer (Liquid). For spraying nests, roosts, houses, etc. 50c. qt.; $\frac{1}{2}$ gal. 90c.; \$1.50 gal.

PRAIRIE STATE INCUBATORS

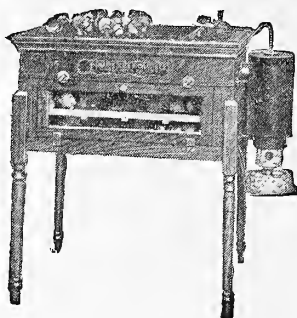
In the building, design and construction of the Prairie State Incubator every known factor to the present time has been taken into consideration. All Prairie State Incubators, except the Keystone styles, are equipped with nurseries.

In shipping, the heaters are crated separately, as their design and size make it more practical; also it does away with the possibility of the heater becoming injured in transit.

There are also many other improvements in the Prairie State Incubator that a study of the Prairie State Catalog and a close inspection of the machine itself, if possible, will best reveal.

Prairie State Heaters, built in four sizes, are of absolutely new design and all comply with the most rigid requirements of the National Board of Fire Underwriters.

Every heater is inspected by the regular authorized Underwriters' inspector, under the direction of the Fire Underwriters' Laboratories, and bears the inspection mark together with the Under-



writers' Label, which facts, in combination with the construction of the incubator, make the entire machine insurable in any location without any extra insurance rate.

The Prairie State has the diffusive air circulation system and sand tray moisture feature and is as faultless as it is possible to make incubators.

	Oil consumption per 24 hrs.	Hen Egg Capacity	Duck Egg Capacity	Price
No. 0 Diffusive style	$\frac{3}{4}$ pt.	100	75	\$31.00
No. 1 Diffusive style	1 pt.	150	115	39.00
No. 2 Diffusive style	1 $\frac{1}{2}$ pts.	240	200	55.00
No. 3 Diffusive style	1 $\frac{3}{4}$ pts.	390	300	70.00
No. 1 Keystone style	$\frac{3}{4}$ pt.	100	75	21.00

We can also furnish Brooders, Brood Stoves, Colony Brooders, Poultry Houses, Roosting and Nesting equipments.

Complete Catalog on Prairie State Incubators and Brooders free on request.

GEM HOT WATER INCUBATOR

This is especially designed for the amateur or beginner. It is a wonderful value for the price charged. Very carefully made. Equipped with galvanized water heater and a sensitive thermostat. We can supply this in one size only, 50-Egg Capacity, \$8.00.

Prices are subject to market changes

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Poultry and Animal Foods and Tonics

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ALL PRICES SUBJECT TO MARKET CHANGES

Alfalfa Meal. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., \$1.25. (Price for larger quantity on application.)

Animal Regulator (Pratt's). 30c. and 60c. pkg.; 12-lb. pail, \$1.75.

Barley. Price, 5 lbs., 30c.; 10 lbs., 50c. (Larger quantity, price on application.)

Bone (Coarse Ground). For feeding grown fowls. 5 lbs., 40c.; 65c. for 10 lbs.; 25 lbs., \$1.50. (Price for larger quantity on application.)

Bone (Fine Grade). For feeding chicks and pullets. 5 lbs., 40c.; 65c. per 10 lbs.; 25 lbs., \$1.50. (Price for larger quantity on application.)



Bran (Wheat). For mash, etc. 5 lbs., 35c.; 10 lbs., 60c.; \$1.00 per 25 lbs. (Price for larger quantity on application.)

Broken Rice. Lb., 15c.; 65c. for 5 lbs.; 10 lbs., \$1.15; \$2.50 for 25 lbs. (Price on larger quantities on application.)

Buckwheat. Price, 5 lbs., 30c.; 50c. per 10 lbs. (Larger quantity, price on application.)

Cake Meal. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.35.

Calf Meal (Blatchford's). \$3.50 per 50 lbs.; 100 lbs., \$6.50.

Canada Peas. Price, 5 lbs., 55c. (Prices on large quantities on application.)

Cat Food (Spratt's). Per carton, 35c.

Charcoal. Two grades, fine and coarse; state which you wish when ordering. Price, 1 lb., 8c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.35 for 25 lbs.; per 100 lbs., \$4.00.

Chicgrain (Spratt's). Per carton, 50c.; \$1.00 per 10 lbs.; 25 lbs., \$2.25; 100 lbs., \$7.00

Chick Food (Michell's). 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.60; \$5.75 per 100 lbs.

Chick Food (Park and Pollard). 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.60; 100 lbs., \$6.00.

Chick Food (Pratt's). For newly hatched chicks 2½ lbs., 30c.; 60c. for 5¼ lbs.; 14 lbs., \$1.50; \$2.50 for 25 lbs.

Chick Manna. Price, 1 lb., 20c.; 50c. for 3 lbs.; 5 lbs., 75c.; 15 lbs., \$2.00; 60-lb. case, in bulk, \$6.25.

Chick Meal (Spratt's No. 3 and No. 5). 65c. per 5 lbs.; 10 lbs., \$1.10; \$2.50 per 25 lbs.; 50 lbs., \$4.90; \$9.50 per 100 lbs.

Condition Powder (Sheridan's). A natural stimulant and persuer for the hen. 15c. package; 2¼-lb. can, 75c.

Condition Tablets (Pratt's). 30c. and 60c. per box.

Conkey's Laying Tonic. 30c. package.

Conkey's Starting Food for Baby Chicks. 1 lb., 15c.; 3 lbs., 35c.; 60c. for 5 lbs.; 10 lbs., \$1.00; 25 lbs., \$2.25; \$4.25 for 50 lbs.; 100 lbs., \$7.75.

Corn Meal (Special Process). 5 lbs., 40c.; 70c. for 10 lbs.; \$1.35 for 25 lbs.; 50 lbs., \$2.50; 100 lbs., \$4.75.



Cracked Corn. 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.35; 50 lbs., \$2.50; \$4.75 per 100 lbs.

Cut Clover Hay. 5 lbs., 35c.; 10 lbs., 60c.; 25 lbs., \$1.15; \$2.00 for 50 lbs.; 100 lbs., \$3.75.

Developing Food (Michell's). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; \$2.85 per 50 lbs.; 100 lbs., \$5.50.

Dog Cakes (Spratt's). Small pkg., 40c.; large pkg., 75c.; 25-lb. box, \$3.25; 50-lb. box, \$6.00; 100-lb. box, \$11.25.

Dog Cakes (Maltoid Milkbone). 15c. and 35c. per carton; 10 lbs., \$1.65; \$4.00 for 25 lbs.; 50 lbs., \$6.50.

Feed (Park and Pollard Intermediate). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.60; \$6.00 per 100 lbs.

Fish, Dried Ground. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$1.75; \$3.00 for 50 lbs.; 100 lbs., \$5.50.

Gluten Meal. 5 lbs., 30c.; 55c. for 10 lbs.; \$1.25 for 25 lbs.; 50 lbs., \$2.25; 100 lbs., \$4.25.

Grit. Fine, medium and coarse. 5 lbs., 15c.; 50c. for 25 lbs.; 50 lbs., 85c.; 100 lbs., \$1.50; \$6.00 per 500 lbs.; ½ ton, \$11.00; \$20.00 per ton.

Grit (Red Cross Health). For pigeons. 5 lbs., 20c.; 35c. for 10 lbs.; 25 lbs., 65c.; \$1.25 for 50 lbs.; 100 lbs., \$2.25.

Ground Oats. 5 lbs., 30c.; 55c. for 10 lbs.; \$1.10 for 25 lbs.; 50 lbs., \$2.00; 100 lbs., \$3.75.

Growing Food (Park and Pollard). 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; 100 lbs., \$5.25.

Hemp Seed. 15c. lb.; 5 lbs., 70c.; \$1.25 for 10 lbs.

Hulled Oats. 45c. per 5 lbs. (Prices on larger lots on application.)

Kaffir Corn. 5 lbs., 40c. (Price on larger quantities on application.)

Linseed Meal. 22c. per lb.; \$1.00 per 5 lbs.; 10 lbs., \$1.75. (Price for larger quantity on application.)

Mash Food (Michell's Buttermilk). 5 lbs., 35c.; 10 lbs., 65c.; 25 lbs., \$1.40; 100 lbs., \$5.25.

Mash Food (Park and Pollard). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., \$1.50; 100 lbs., \$5.50.

Mash Food (With Buttermilk). For chicks. 5 lbs., 40c.; 75c. for 10 lbs.; 25 lbs., \$2.00; \$5.75 for 100 lbs.

Meat (Prepared). 5 lbs., 40c.; 10 lbs., 65c.; 25 lbs., \$1.50; 50 lbs., \$2.75; 100 lbs., \$5.00.

Middlings. 5 lbs., 30c.; 10 lbs., 55c.; 25 lbs., \$1.10; 100 lbs., \$4.00.

Millet (For Feeding). 12c. lb.; 5 lbs., 55c.; \$1.00 for 10 lbs.

Mustard (Poultry). 1½ lbs., 60c.; \$1.10 for 3 lbs.; 5 lbs., \$1.50; \$3.00 for 10 lbs.

Oat Meal (Pin Head). 5 lbs., 45c.; 80c. for 10 lbs.; 25 lbs., \$1.75; \$3.25 per 50 lbs.; \$6.00 per 100 lbs.

Oyster Shells. 5 lbs., 15c.; 50c. for 25 lbs.; 50 lbs., 75c.; \$1.25 per 100 lbs.; 500 lbs., \$5.50; \$18.50 per ton.

Pheasant Meal (Spratt's). No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.50; 50 lbs., \$4.90; 100 lbs., \$9.50.

Poultry Food (Spratt's No. 3). 5 lbs., 65c.; \$1.10 for 10 lbs.; 25 lbs., \$2.50; \$4.90 per 50 lbs.; \$9.50 per 100 lbs.

Poultry or Scratch Food (Michell's). 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.40; \$2.75 per 50 lbs.; 100 lbs., \$5.25.

Poultry or Scratch Food (Park and Pollard). 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.50; 100 lbs., \$5.50.

Pratt's Poultry Regulator. Price, 10-oz. package, 12c.; 24-oz. packages, 30c.; 60c. per 4-lb. package; 12-lb. bag, \$1.20; \$1.75 per 12-lb. pail; \$3.00 for 25 lbs.; \$10.00 per 100 lbs.

Prepared Pigeon Food. 5 lbs., 40c.; 75c. per 10 lbs.; 25 lbs., \$1.65; 100 lbs., \$6.00.

Puppy Cakes (Spratt's). Small pkg., 50c.; large pkg., 85c.; 25-lb. box, \$3.50; 50-lb. box, \$6.50; 100-lb. box, \$12.50.

Puppy Cakes (Maltoid Milkbone). 15c. and 35c. per carton; 10 lbs., \$1.65; \$4.00 per 25 lbs.; 50 lbs., \$6.50.

Salt Cat. A tonic for pigeons. Price, 10c. per brick; 60c. for 6; \$1.10 per doz.

Sunflower Seed. 1 lb., 35c.; \$1.00 for 3 lbs.; 5 lbs., \$1.60.

Vetches or Tares. For pigeon feeding. Ask for quotations. Prices vary.



Send for a copy of our Poultry Supplies Catalog

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Alphano Inoculant. A soil bacteria to use in connection with growing legumes. 1-acre size, net wt. 2 lbs., \$1.00; 10-acre size, net wt. 20 lbs., \$8.00.

Ashes (Canadian Hard Wood). Apply 1000 lbs. per acre. For top dressing lawn and grass fields, in early spring or late fall. 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.50 per 200-lb. barrel; 1000 lbs., \$20.00; \$37.50 per ton.

Ashes (Domestic Hard Wood). Per 200-lb. barrel, \$3.50; \$16.50 per ½ ton; ton, \$30.00.

Asparagus Fertilizer. A mixture that promotes the root and top growth. Apply 600 lbs. per acre. 200 lbs., \$6.50; \$55.00 per ton.

Blood (Dried). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.25; \$4.00 per 50 lbs.; 100 lbs., \$7.50; \$14.00 per 200 lbs.

Bono Flour. Apply 600 lbs. per acre. Very fine, effective almost immediately; can be used for indoor or outdoor purposes. 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00; \$9.50 per 200 lbs.

Bone Meal (Michell's Special Grade). Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. 3 lbs., 25c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.25 for 25 lbs.; 50 lbs., \$2.25; \$4.00 per 100 lbs.; 200 lbs., \$7.50; \$35.00 per ½ ton; ton, \$67.50.

Chrysanthemum Manure (Thomson's Special). Especially recommended and used by the leading private gardeners of England and America. Price on Application.

Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. Price on application.

Climax Lawn Sand. An unique combination of carefully dried and finely ground chemicals. Destroys weeds in lawns, 3½-lb. can, 60c.; 7-lb. can, \$1.10; 14-lb. can, \$1.75; 28-lb. pkg., \$3.00; 56-lb. pkg., \$4.75; 112 lbs., \$9.25.

Cotton Seed Meal. Apply 600 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer. Price on application.

Cow or Cattle Manure (Shredded). Convenient to handle, making it possible for everyone to get this usually scarce article at all times. \$3.25 per 100 lbs.; 500 lbs., \$15.00; \$26.00 per 1000 lbs., ton, \$50.00.

Horn Shavings. Used principally for mixing in potting; especially valuable in chrysanthemum growing. 5 lbs., 75c.; \$1.20 for 10 lbs.; \$2.25 per 25 lbs.; 50 lbs., \$4.00; \$7.00 per 100 lbs.

Humus (Alphano Prepared). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with ½ to 2 inches of Humus and spaded in. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 75c.; \$2.50 per 100 lbs.; per 500 lbs., \$11.25; \$17.50 per 1000 lbs.; per ton, \$30.00.

Kainit. For top dressing; asparagus beds, etc. Price on application.

Land Plaster. Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1000 to 1500 lbs. per acre. 40c. for 10 lbs.; 25 lbs., 60c.; \$1.00 for 50 lbs.; 100 lbs., \$1.75; \$3.25 for 200 lbs.; ton, \$23.00.

Lime (Hydrated or Powdered). Promotes growth, gives the grass a rich color. Apply one ton per acre on fields or ½ ton on lawns. Per 125-lb. sack, \$2.25; 500 lbs., \$7.00; 1000 lbs., \$12.50; ton, \$22.50.

Limestone (Pulverized). For applying on sour or wornout soils at the rate of 1 ton per acre. Put up in 100-lb. bags, \$1.50 per bag; 500 lbs., \$6.25; 1000 lbs., \$11.00; \$20 per ton.

Manure (Fresh Horse, Stockyard and Cow). At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices on request.

Mape's Fertilizers. No less than a 200-lb. sack of Mape's fertilizer is sold. F. o. b. Philadelphia.

	200 lbs.	1000 lbs.	Ton
Potato Manure	\$9.00	\$42.50	\$75.00
Corn Manure	8.25	36.50	67.50
General Crop (for all crops)	6.50	31.00	57.00

Mulford's Culture. For inoculating Clovers and other legumes. When ordering, please state for what crop you desire to use it. Trial size for beans and peas, 25c. Garden size (¼ acre), 50c.; 1-acre size, \$1.50; 5-acre size, \$5.00.

Muriate of Potash. Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent. actual potash. Price on application.

Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 1 lb., 20c.; 75c. per 5 lbs.; 10 lbs., \$1.30; \$2.50 per 25-lb. bag; 50-lb. bag, \$4.25; \$7.50 per 100 lbs.

Phosphate for Corn. Apply 500 to 600 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of corn. Not less than 200 lbs., sold. Per 200 lbs., \$5.50; per ½ ton, \$26.00; \$50.00 per ton.

Phosphate, High-Grade Acid Tennessee or South Carolina Rock. 14 per cent. Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, \$3.75; \$16.50 per ½ ton; \$3.00 per ton.

Phosphate, Michell's High-Grade Ammoniated. For all vegetable crops, grains, grass, etc. Apply 500 to 600 lbs. per acre broadcast. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.85; \$5.50 per 200 lbs.; ton, \$50.00.

Phosphate (Thomas' Basic Slag). Used extensively for top dressing lawn, grass and grain lands; contains the proper elements to produce a rich luxuriant growth; apply 600 to 800 lbs. per acre. In 200-lb. bags only. \$4.50 per bag; 1000 lbs. for \$22.00; \$40.00 per ton.

Plant Food. A highly concentrated chemical fertilizer for house use. Michell's, 15c. per 6-oz. pkg. Bowker's, 4-oz. pkgs., 20c.; 12-oz. pkgs., 30c. Allow for postage if wanted by mail.

Potato Manure. Apply at the rate of from 400 to 600 lbs., per acre. 25 lbs., \$1.25; \$2.00 per 50 lbs.; per 100 lbs., \$3.25; \$5.75 per 200 lbs.; per ½ ton, \$27.50; per ton, \$55.00.

Poudrette (Native Guano). Apply 1000 lbs. per acre. Extensively used for garden, lawns, in making compost, and, in fact, wherever a good, quick acting fertilizer is wanted. 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.00 per 200 lbs.; \$17.50 per 1000 lbs.; per ton, \$32.50.

Salt. For asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. per acre in early spring. \$1.75 per 100 lbs.; 200 lbs., \$3.00; \$25.00 per ton.

Sheep Manure (Wizard Brand). Apply 1000 lbs. per acre. For garden, lawn or greenhouse use. 2 lbs., 20c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.00 per 25 lbs.; 50 lbs., \$1.75; \$3.25 per 100 lbs.; 500 lbs., \$15.00; \$26.00 per 1000 lbs.; per ton, \$50.00.

Soot (Imported Scotch). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Price on application.

Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. Price on application.

Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with other fertilizers. Price on application.

Tankage. For roses, etc., under glass; similar to dried blood. \$1.75 per 50 lbs.; 100 lbs., \$3.25; \$6.25 per 200 lbs.; ton, \$57.50.

Thomson's Special Flower, Vegetable and Vine Manure is extensively used wherever it is desired to force flowers or vegetables. Price on application.

Tobacco Stems. For fumigating, mulching and fertilizing; an excellent top dressing for lawns in winter. 35c. per 5 lbs.; 75c. per bu.; per bbl. sack, \$1.50; in large bales, at 2½c. per lb.; \$17.00 per ½ ton; per ton, \$32.00.

Wheat Fertilizer. For grass and grain crops. Apply 500 to 600 lbs. per acre. 200 lbs., \$5.00; ½ ton, \$23.50; \$45.00 per ton.

HEADQUARTERS FOR INSECT DESTROYERS, ETC.

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DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE, OR WE SHALL BE PLEASED TO GIVE INFORMATION BY MAIL OR OTHERWISE.

Ant Exterminator (Cliff's Insecticide). For destroying ants on putting greens, lawns, etc. 50c. per qt.; per gal., \$1.75.

Ant Exterminator (Magic). Per ¼ lb., 20c.; per ½ lb., 40c.; per lb., 75c.; per 5 lbs., \$3.00.

Ant Exterminator (Zenke's). An effective liquid form of this important insecticide. 8 oz., 25c.; 85c. per qt.; ½ gal., \$1.75; \$3.50 per gal.

Antipest (Carman's). \$1.75 per gal.

Aphine. ¼ pt., 25c.; 40c. per ½ pt.; per pt., 65c.; per qt., \$1.00 \$2.50 per gal.

Aphis Punk. Per pkg., 65c.; 12 pkgs., \$7.00.

Arsenate of Lead (Paste). Per lb., 40c.; 5 lbs., \$1.75; 10 lbs., \$3.50; 25 lbs., \$6.50; 50 lbs., \$12.50; 100 lbs., \$24.00.

Arsenate of Lead (Powdered). 1 lb., 55c.; \$2.65 per 5 lbs.; per 10 lbs., \$5.00; \$11.50 per 25 lbs.; per 50 lbs., \$22.00; per 100 lbs., \$41.00.

Black Leaf 40. Per 1-oz. bottle, 25c.; ½ lb., \$1.00; 2 lbs., \$3.25; 10 lbs., \$13.75.

Bordeaux Arsenate. Per lb., 35c.; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.00; 50 lbs., \$11.00; \$21.00 for 100 lbs.

Bordeaux Mixture (Dry Form). Per lb., 30c.; 5 lbs., \$1.25; 10 lbs., \$2.00.

Boro Wax. Per qt., 40c.; ½ gal., 75c.; per gal., \$1.25.

Bug Death. Per lb., 20c.; 3 lbs., 50c.; 5 lbs., 75c.; 12½ lbs., \$1.50; 100 lbs., \$8.25.

Carbolineum (Arvenarius). (Now called Protexol.) Per gal., \$1.50; 5 gals. for \$7.00.

Copper Solution. Per qt., \$1.00; per gal., \$2.75.

Cyanegg. For making hydrocyanic acid gas. Per lb., 85c.

Dalmatian or Persian Powder. Per ¼ lb., 30c.; ½ lb., 55c.; lb., 90c.; 5 lbs., \$4.00.

Fir Tree Oil Soap. Per ½ lb., 35c.; per 2-lb. can, \$1.00.

Fish Oil Soap (Good's Caustic). Per lb., 30c.; 5 lbs., \$1.25; 25 lbs., \$5.50.

Fish Oil Soap. Per ½ lb., 15c.; per lb., 25c.; 5 lbs., \$1.00; \$1.80 per 10 lbs.; 25 lbs., \$3.75; 100 lbs., \$12.00.

Fungicide (Zenke's). For various forms of fungus. 8 oz., 25c.; 85c. per qt.; ½ gal., \$1.75; per gal., \$3.50.

Fungine. Per qt., \$1.00; per gal., \$3.50.

Getz-There Soap. Per 2 lbs., 50c.; 8 lbs., \$1.75; 25 lbs., \$2.75.

Grape Dust. Per 5 lbs., 90c.; 10 lbs., \$1.75.

Hellebore. Per ¼ lb., 25c.; ½ lb., 40c.; lb., 70c.; 5 lbs., \$3.00.

Imp Soap Spray. 55c. per pt.; per qt., 85c.; \$2.50 per gallon; 5 gals., \$11.00; \$21.00 per 10 gallons.

Insecticide (Zenke's General Greenhouse). For the destruction and control of many pests. 8 oz., 25c.; 85c. per qt.; ½ gal., \$1.00; \$1.75 per gal.

IXL Compound. Per gal., \$4.00; \$19.00 for 5 gals.

Kerosene Emulsion (Liquid). 70c. per qt.; per gal., \$1.75; \$8.00 for 5 gals.

Lemon Oil Insecticide. Per ½ pt., 30c.; pt., 50c.; qt., 90c.; ½ gal., \$1.50; gal., \$2.50; 5-gal. keg, \$10.50.



CARBONDALE HYDROMETERS

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution. One should be in the hands of every man who uses this material. Price, \$1.25. (Postpaid, \$1.35.) With directions.

Lime Sulphur. Per qt., 45c.; 75c. per ½ gal.; 1 gal., \$1.25; 5 gals., \$4.75; 30-gal. bbls., 40c. gal.; 50-gal. bbls., 30c. gal.

Lime Sulphur (Dry Powder Form). 1 lb., 30c.; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.00; \$12.50 per 100 lbs.

Nico-Fume (Liquid). ¼ lb., 65c.; lb., \$2.00; 4 lbs., \$7.50; 8 lbs., \$14.50.

Nico-Fume Paper. Per box, 24 sheets, \$1.25; per 144 sheets, \$5.00; 288 sheets, \$9.50.

Nikoteen. ½ oz., 15c.; 1¾ ozs., 40c.; 8 ozs., \$1.00; pt., \$1.75; per ½ gal. (4 lbs.), \$6.00; per gal. (8 lbs.), \$11.00.

Paris Green. Per ¼ lb., 25c.; ½ lb., 40c.; lb., 70c.; 2 lbs., \$1.35; 14 lbs., \$9.10.

Protexol (See Carbolineum). For preserving wood, etc.

Pyrox (Bowker's). Per lb., 45c.; 5 lbs., \$1.75; 10 lbs., \$3.00; 25 lbs., \$6.25; 50 lbs., \$11.00; 100 lbs., \$20.00; 300 lbs., \$57.00.

Rat Corn. For destroying rats and mice. 25c., 50c. and \$1.00 per box.

Readeana Rose Bug Exterminator. Trial bottle, 30c.; 8 ozs., 50c.; 24 ozs., \$1.00; per gal., \$4.00.

Scalecide. Per qt., 60c.; gal., \$1.50; 5 gals., \$6.50; 10 gals., \$11.00; 30-gal. bbl., \$27.00; 50 gals., \$39.50.

Scale Destroyer (Soluble Oil). Qt., 60c.; ½ gal., 85c.; gal., \$1.50; 5 gals., \$6.25; 30-gal. bbls. at 80c. gal.; 50-gal. bbls. at 75c. gal.

Shoo Fly. Per qt., 45c.; per gal., \$1.25.

Slug Shot. Per canister, 20c.; 5 lbs., 55c.; 10 lbs., \$1.00; 25 lbs., \$2.35; \$8.75 per 100 lbs. Barrel lots in bulk (250 lbs.), 8½c. lb.

Styptic (Thomson's). For grafting, budding, etc. \$1.25 per bottle.

Sulphate of Copper. Per lb., 25c.; per 10 lbs., \$2.00.

Sulphur Candles. Large: 25c. each; per doz., \$2.50. Small: 15c. each; \$1.50 per doz.

Sulphur (Flowers). Per lb., 15c.; 5 lbs., 60c.; \$1.15 per 10 lbs.; 25 lbs., \$2.25; 100 lbs., \$8.00.

Sulpho Tobacco Soap. Per 3-oz. pkg., 15c.; 6-oz. pkg., 25c.

Tobacco Dust (Special Dusting or Fumigating). 15c. lb.; 5 lbs., 35c.; 10 lbs., 65c.; 25 lbs., \$1.50; 50 lbs., \$2.75; 100 lbs., \$5.25.

Tobacco Soap (Sulpho). 3 ozs., 15c.; 6 ozs., 25c.

Tobacco Stems. Per lb., 15c.; 5 lbs., 35c.; bushel, 75c.; barrel sacks, \$1.50; large bales at 2½c. per lb.; ½-ton, \$17.00; \$32.00 per ton.

Thrip Juice (Hammond's No. 2). Pt., 85c.; qt., \$1.50; gal., \$4.00.

Tree Tanglefoot. Per lb., 50c.; 3-lb. cans, \$1.45; 10 lbs., \$4.50; 20 lbs., \$8.75; \$10.50 per 25 lbs.

Vapor Cones (Lethorion Nicotine). In 3 sizes: No. 1, 15c. each; doz., \$1.50. No. 2, 25c. each; doz., \$2.50. No. 3, 30c. each; doz., \$3.00.

Vaporite. 1 lb., 15c.; per 5 lbs., 60c.; 10 lbs., \$1.00; 25 lbs., \$2.25; 50 lbs., \$4.25; 100 lbs., \$7.50.

Worm Destroyers (Michell's Brand). For using in gardens, on lawns, etc. (Price on application.)

Worm Destroyer (Carter's Brand). F. o. b. Philadelphia: Per 100 lbs., \$12.00; 1000 lbs., \$110.00; ton, \$210.00. F. o. b. Boston: Per 100 lbs., \$10.50; ton, \$200.00.

Worm Eradicator (Reade's Electric). 8 ozs., 50c.; 24 ozs., \$1.00; \$4.00 per gal.

Zenke's Insecticide. (See Insecticide.)

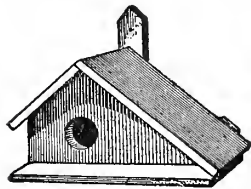
Zenoleum. ½ pt., 30c.; qt., 60c.; ½ gal., \$1.00; \$1.75 per gal.; 5-gal. can, \$7.50.

LAMPS for vaporizing nicotine solutions, 80c. each.

MICHELL'S RUSTIC AND ORNAMENTAL BIRD HOUSES

Comparatively few of us recognize the great economic value of birds. Particularly the bluebirds, house wrens and martins are very easily domesticated. Their favorite nesting sites are bird houses made for their use which may be placed about in the garden, on the farm or in orchards. As rent, these grateful birds pay amply, by destroying millions of insects annually. If you put up your bird houses in the autumn or before the birds arrive in the spring, you may be able to keep the birds with you all winter if you provide them with shelter and food.

ABOUT WRENS. Place Wren Houses near your dwellings; the wren is hardly ever known to nest off in the woods. If not disturbed, they will become very tame. Wren Houses are made with 1-inch holes so that sparrows cannot disturb the occupants.



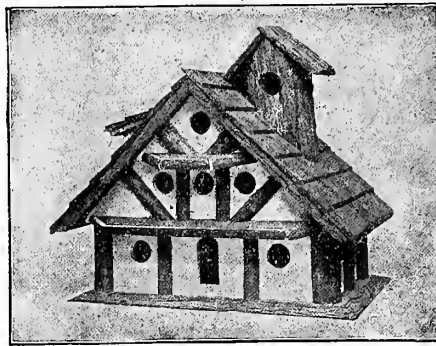
Maryland Wren Box
Painted green and red.
35c. each
P. P. Wt., 1 lb.



No. 50.
Hauging Wren House
Price, \$1.15
P. P. Wt., 3 lbs.



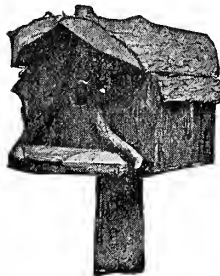
No. 9
Price, \$1.35
P. P. Wt., 3 lbs.



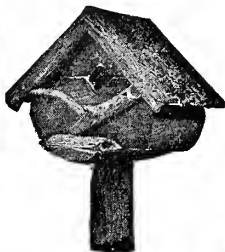
No. 8. 14-Room Martin House.
Price, \$20. Not mailable.



No. 22.
Price, \$1.35
For Woodpeckers, Chickadees, Nuthatches, etc.
P. P. Wt., 3 lbs. each



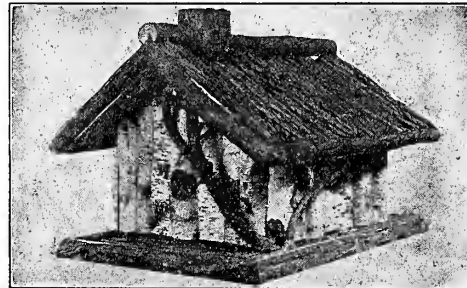
No. 13.
Price, \$1.35
P. P. Wt., 3 lbs.



No. 11.
Price, \$1.35
Weight, 3 lbs.

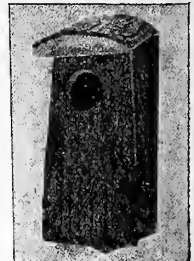


No. 12
Price, \$1.50
Made to Swing



No. 77. 4-Room Martin House.
Finished in white birch. Size, 13x7x21 inches.
Price, \$5.00

No. 61. Wren House (Swinging House)
Price, \$1.35. P. P. Wt., 3 lbs.



No. 25.
Price, \$1.25



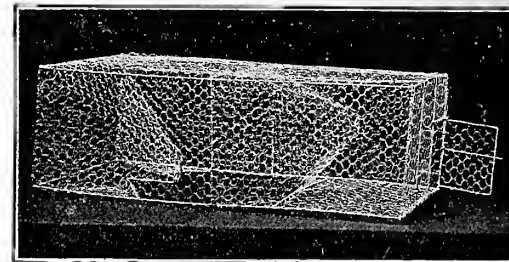
No. 28. The Wren "House Beautiful."
Price, \$2.25. P. P. Wt., 4 lbs.



No. 60.
Robin House
Price, \$1.35
P. P. Wt., 3 lbs.



No. 62.
Blue Bird House
Price, \$1.35
P. P. Wt., 3 lbs.



THE BEST SPARROW TRAP

We have tried out and found it to be the best trap made. Scatter a little cracked corn and set tray right over it. The style has been changed from square (as illustrated) to round. \$7.00 each.

MICHELL'S RECLEANED BIRD SEEDS, PET SUPPLIES, Etc.

Our bird seeds are of the highest quality, fresh and re-cleaned. Your feathered pets will thrive if you get your supplies in this line from us.



	Lb.	5 lb.	10 lb.
Canary. Plain Sicily.....	\$0.25	\$1.10	\$2.00
Canary. Mixed .....	.25	1.10	2.00
Hemp Seed .....	.15	.70	1.25
Millet Seed (Imported) ...	.12	.55	1.00
Rape Seed .....	.20	.90	1.60
Unhulled Rice .....	.25	1.10	2.00
Bird Manna. Keeps Canary Birds in prime condition. Pkg., 15c.			
Cuttle Fish Bone. 10c. each; 1/4 lb., 30c.; \$1.00 per lb.			
Fish Food. For aquariums. 15c. pkg.			
Lettuce Seed. 5c. per oz.; 10c. per 1/4 lb.; 1b., 30c.			

Maw Seed. 1/4 lb., 25c.; 5 lb., \$4.00.
Parrot Food (Spratt's). 15c. pkg.; \$1.65 doz.
Sand for Bird Cages. Fine, Red or Silver, 10c. pkg.; doz. pkg., \$1.00. Silver (coarse), 10c. pkg.; doz. pkgs., \$1.00.
Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 15c. per bottle; per doz., \$1.50.

Prices on Bird Seeds Subject to Market Changes

SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 35c. lb.; \$1.00 for 3 lbs.; 5 lbs., \$1.60; \$3.10 for 10 lbs.



All Prices Subject to Change.

(hb)

MICHELL'S FLOWER POTS, TUBS, ETC.

Orchid Pan Fern Pan Liner Seed Pan Flower Vase



Cedar Tub

Keystone Tub

Earthen Flower Pot

Azalea Pot

Earthen Bulb Pan

Earthenware Saucer

Wood Fibre Saucer

Rolling Stand

CEDAR TUBS

Equipped with Strong Iron Handles
These are made by hand, of the very best white cedar painted green, bound with black iron hoops.

No.	Outside Diam.	Length of stave outside	Each
No. 0.....	27 in.	24 in.	\$11.50
No. 1.....	25 " "	22 " "	10.25
No. 2.....	23 " "	20 " "	9.25
No. 3.....	21 " "	18 " "	8.00
No. 4.....	18½ " "	16 " "	6.25
No. 5.....	18 " "	16 " "	5.50
No. 6.....	16½ " "	13 " "	5.00
No. 7.....	15 " "	12 " "	4.25
No. 8.....	12 " "	10 " "	3.50

MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 15c. per pair. Not attached to tub.

No.	Inside Diam.	Depth	Each
No. 1.....	6 in.	6 in.	\$0.80
No. 2.....	7 " "	7 " "	.85
No. 3.....	8 " "	8 " "	.95
No. 4.....	9 " "	9 " "	1.00
No. 5.....	10 " "	9 " "	1.15
No. 6.....	11 " "	10 " "	1.40
No. 7.....	12 " "	11 " "	1.75
No. 8.....	13 " "	12 " "	2.15
No. 9.....	14 " "	13 " "	2.50
No. 10.....	15 " "	14 " "	2.75
No. 11.....	16 " "	15 " "	3.00
No. 12.....	17 " "	16 " "	3.65
No. 13.....	18 " "	17 " "	4.40
No. 14.....	19 " "	18 " "	5.25

ROLLING STANDS For tubs, pots, etc.

In.	Weight	Pot	Tub	Each
12 in.....	2 lbs.	10 in.		\$1.25
14 " "	2½ lbs.	12 " "	No. 8	1.58
16 " "	3 lbs.	14 " "	" 8	2.10
18 " "	3½ lbs.	16 " "	" 7-6	2.52
20 " "			" 5	3.15
22 " "			" 4	3.78

PAPER FLOWER POTS

Ins.	Parcel Post	Weight	100	1000
2¼....	3 ozs.	2 lbs.	\$0.12	\$0.60
2½....	3 " "	" "	.15	.70
3 " "	5 " "	2 " "	.18	.85
3½....	7 " "	3 " "	.20	1.15
4 " "	8 " "	4 " "	.25	1.30
5 " "	15 " "	7 " "	.40	2.00
6 " "	2 lbs.	11 " "	.50	2.75

AZALEA POTS

Diam.	Depth	Each	Doz.	100
5 in.	4½ in.	\$0.06	\$0.56	\$4.32
6 " "	5 " "	.09	.84	6.48
7 " "	6 " "	.14	1.40	10.80
8 " "	7 " "	.20	2.02	15.60
9 " "	7½ " "	.30	3.12	24.00
10 " "	8 " "	.42	4.21	32.40

FERN DISH LINERS

These cannot be sent by Parcel Post.
Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1½ in.	\$0.14	\$1.40	\$10.80

SEED PANS (Earthenware)

	Each	Doz.
6 inches square.....	\$0.75	\$7.80
8 " " " " " " " "	1.00	10.45
10 " " " " " " " "	1.26	13.10
12 " " " " " " " "	1.50	15.60

EARTHEN BULB PANS

	Each	Doz.	100
6 inches diam.....	\$0.09	\$0.84	\$6.48
7 " " " " " " " "	.14	1.40	10.80
8 " " " " " " " "	.20	2.02	15.60
9 " " " " " " " "	.30	3.12	24.00
10 " " " " " " " "	.42	4.21	32.40
12 " " " " " " " "	.83	8.58	66.00
14 " " " " " " " "	1.35	14.04	108.00

WOOD FIBRE FLOWER VASES

No.	Diam.	Depth	Weight	Each
0	8 in.	13 in.	4 lbs.	\$1.66
1	5½ " "	10 " "	2½ " "	1.32
2	4½ " "	9 " "	1½ " "	1.16
3	4 " "	6 " "	1½ " "	.96
4	3 " "	4½ " "	¾ lb.	.76
00	9 " "	21 " "	6 lbs.	5.80
11	5 " "	18 " "	4 " "	1.80
22	4½ " "	15 " "	2 " "	1.38
33	4 " "	12 " "	2 " "	1.16
44	3 " "	9 " "	1 lb.	.96

VASES—Ideal Cut Flower (Galvanized)

No.	Depth	Diam.	Each
No. 1.....	6 in.	6½ in.	\$0.75
No. 2.....	8 " "	9¾ " "	.90
No. 3.....	9 " "	7¾ " "	.90
No. 4.....	12 " "	9¼ " "	1.10
No. 5.....	9 " "	5½ " "	.95
No. 6.....	22 " "	7 " "	1.00
No. 7.....	13¾ " "	8¾ " "	1.20
No. 8.....	19 " "	7¾ " "	1.50

EARTHEN FLOWER POTS

Height and	Each	Doz.	100	1000
Width inside				
1 inch.....	\$0.02	\$0.14	\$1.08	\$9.90
2 " " " " " " " "	.02	.12	.90	8.25
2¼ " " " " " " " "	.02	.14	1.02	9.35
2½ " " " " " " " "	.02	.16	1.20	11.00
3 " " " " " " " "	.02	.21	1.56	14.30
3½ " " " " " " " "	.03	.25	1.92	17.60
4 " " " " " " " "	.05	.31	2.40	22.00
4½ " " " " " " " "	.05	.42	3.24	29.70
5 " " " " " " " "	.06	.56	4.32	39.60
5½ " " " " " " " "	.07	.70	5.40	49.50
6 " " " " " " " "	.09	.84	6.48	59.40
6½ " " " " " " " "	.11	1.12	8.64	79.20
7 " " " " " " " "	.14	1.40	10.80	.....
8 " " " " " " " "	.20	2.02	15.60	.....
9 " " " " " " " "	.30	3.12	24.00	.....
10 " " " " " " " "	.42	4.21	32.40	.....
11 " " " " " " " "	.60	6.25	48.00	.....
12 " " " " " " " "	.83	8.58	66.00	.....
14 " " " " " " " "	1.35	14.04	108.00	.....

EUREKA POT HANGERS

10c. each; doz., \$1.00; \$6.00 per 100.

KRICK POT HANGERS

No.	Each	Doz.
No. 1.....	\$0.04	\$0.40
No. 2.....	.05	.50
No. 3.....	.06	.60

WOODEN ORCHID BASKETS (Square)

	Each	Doz.
4 inch.....	\$0.40	\$4.50
6 " " " " " " " "	.50	5.50
8 " " " " " " " "	.60	6.50
10 " " " " " " " "	.70	7.00
12 " " " " " " " "	.80	9.00

ORCHID PANS (Round) (Earthen)

	Each	Doz.
4 inches diam.....	\$0.15	\$1.50
5 " " " " " " " "	.25	2.50
6 " " " " " " " "	.30	3.00
8 " " " " " " " "	.40	4.00
10 " " " " " " " "	.55	5.50
12 " " " " " " " "	.85	8.50

Orchid pans not mailable.

EARTHEN FERN PANS

These cannot be sent by Parcel Post.

Width	Height	Each	Doz.	100
4 in.	1½ in.	\$0.05	\$0.47	\$3.60
4¾ " "	2½ " "	.06	.62	4.80
5½ " "	2¼ " "	.08	.78	6.00
6¼ " "	2½ " "	.09	.94	7.20
7 " "	2½ " "	.11	1.09	8.40
8 " "	3½ " "	.15	1.56	12.00
9 " "	3¼ " "	.18	1.87	14.40

EARTHENWARE SAUCERS

These cannot be sent by Parcel Post.

	Each	Doz.	100
4 inches.....	\$0.02	\$0.23	\$1.80
5 " " " " " " " "	.03	.31	2.40
6 " " " " " " " "	.05	.47	3.60
7 " " " " " " " "	.06	.62	4.80
8 " " " " " " " "	.08	.86	6.60
9 " " " " " " " "	.11	1.17	9.90
10 " " " " " " " "	.14	1.40	10.80
11 " " " " " " " "	.17	1.72	13.20
12 " " " " " " " "	.20	2.11	16.20
14 " " " " " " " "	.34	3.51	27.00

WOOD FIBRE SAUCERS

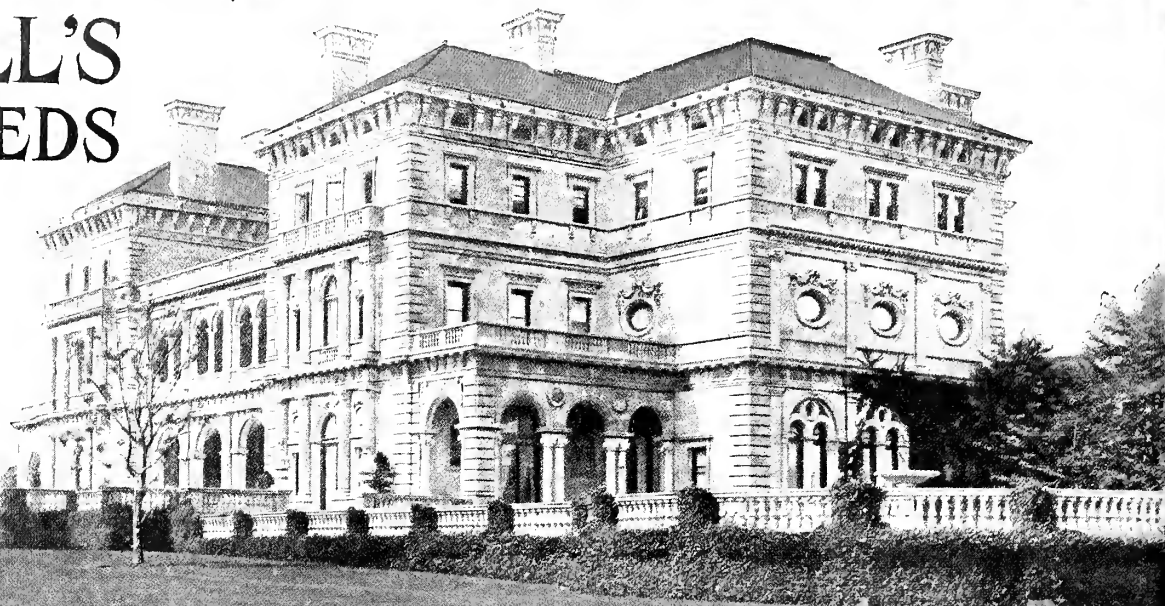
Extremely desirable on account of being absolutely waterproof.

Parcel Post	Weight	Each	Each	Doz.	100
5 inches....	¼ lb.	\$0.31	\$3.31	\$26.22	
6 " " " " " " " "	¼ " "	.32	3.43	27.17	
7 " " " " " " " "	½ " "	.34	3.67	29.07	
8 " " " " " " " "	½ " "	.35	3.89	30.78	
9 " " " " " " " "	¾ " "	.40	4.32	34.20	
10 " " " " " " " "	¾ " "	.42	4.61	36.48	
12 " " " " " " " "	1¼ lbs.	.51	5.52	43.70	
14 " " " " " " " "	1½ " "	.64	6.96	55.10	
16 " " " " " " " "	2 " "	1.15	12.60	.....
18 " " " " " " " "	2½ " "	1.35	14.76	.....

Larger sizes can be furnished as complete rolling stands only.

All prices subject to market changes

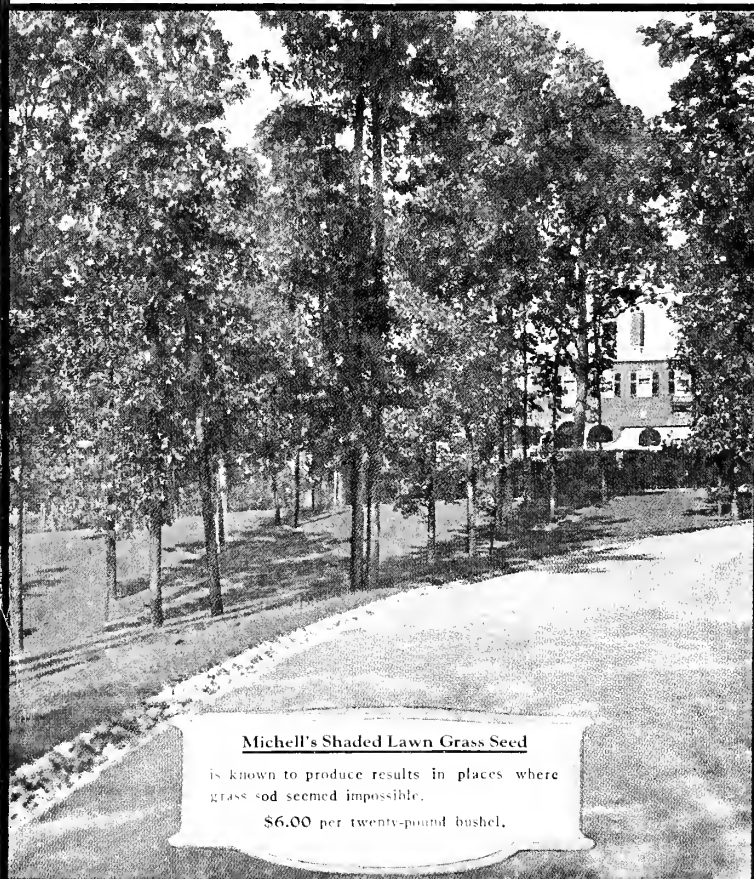
MICHELL'S GRASS SEEDS for Every Purpose



Michell's Green Velvet Grass Seed

is undoubtedly the best value at the price to be found anywhere. The formula is based on experience and tests and is being constantly improved where possible.
\$6.00 per twenty-pound bushel.

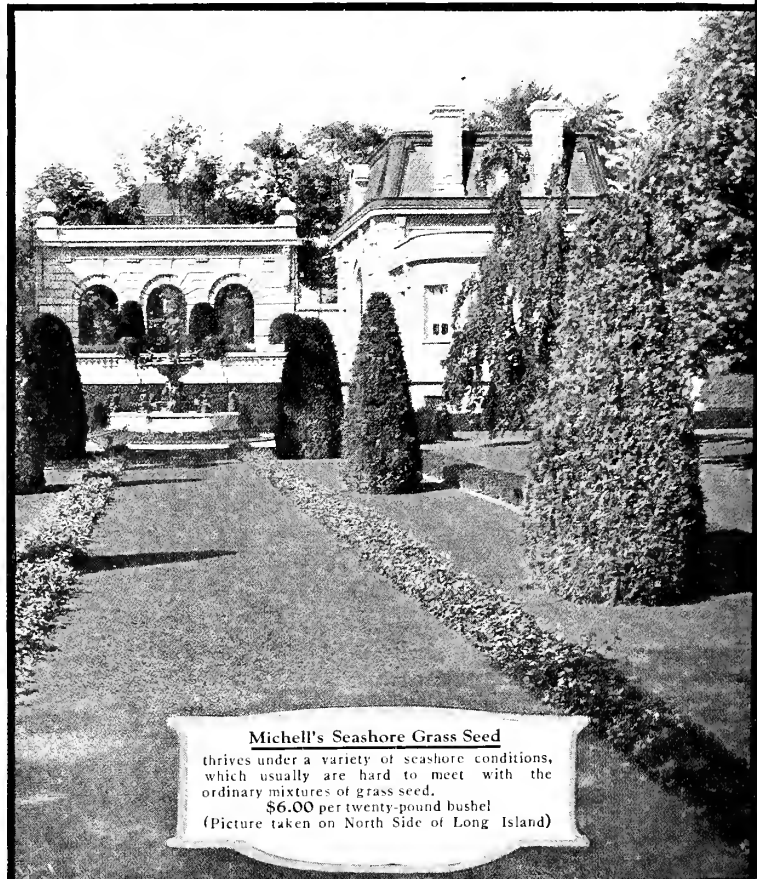
(Picture taken at Newport, R. I.)



Michell's Shaded Lawn Grass Seed

is known to produce results in places where grass sod seemed impossible.

\$6.00 per twenty-pound bushel.



Michell's Seashore Grass Seed

thrives under a variety of seashore conditions, which usually are hard to meet with the ordinary mixtures of grass seed.

\$6.00 per twenty-pound bushel

(Picture taken on North Side of Long Island)

HENRY F. MICHELL CO. 518 MARKET ST. PHILADELPHIA, PA.